

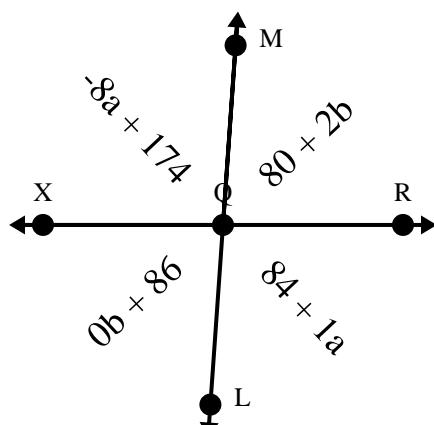


## Finding Variable Value by Balancing Equations

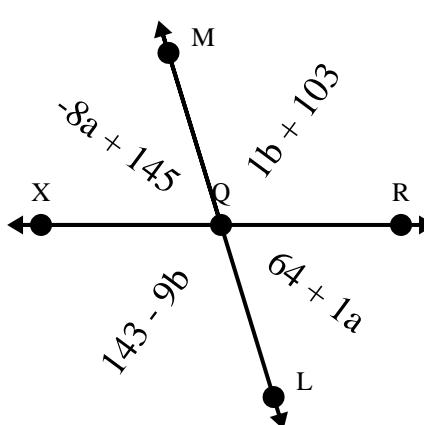
Name: \_\_\_\_\_

Find the value of 'a' and 'b'. Angle XQR is  $180^\circ$ .Answers

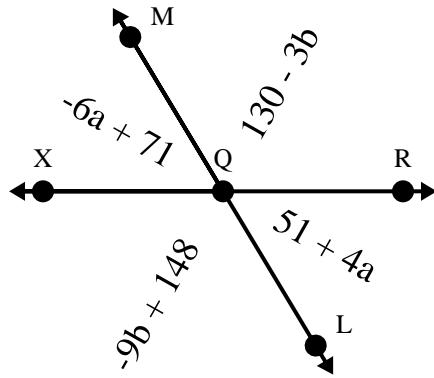
1)



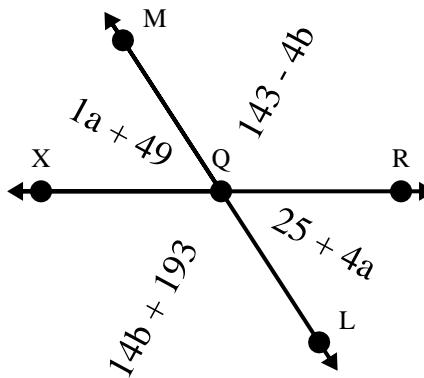
2)



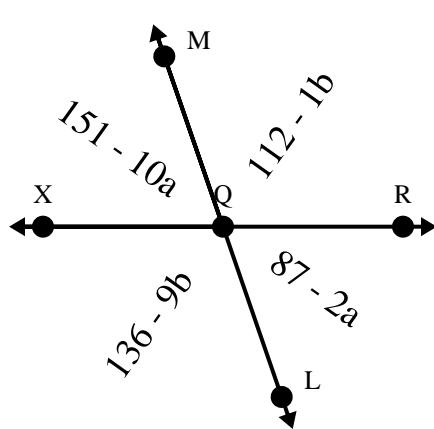
3)



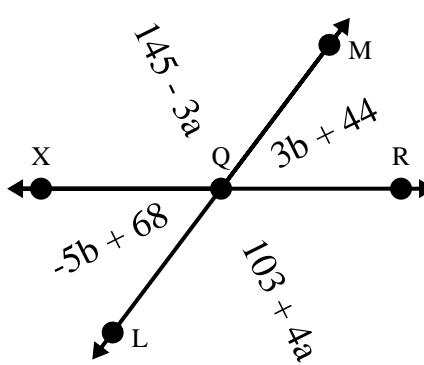
4)



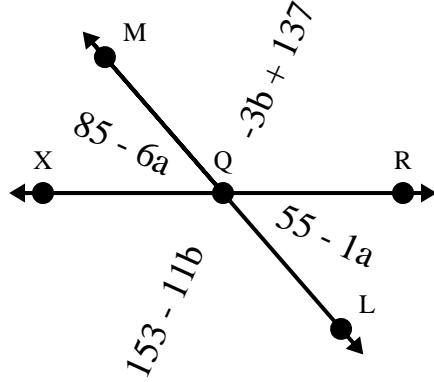
5)



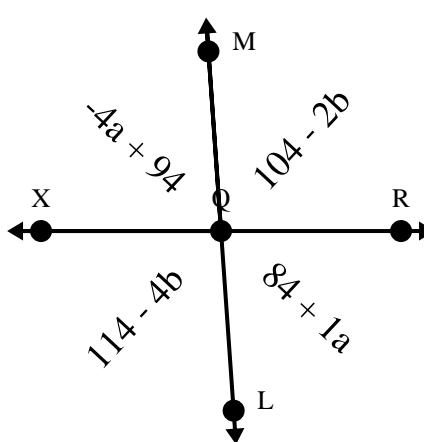
6)



7)



8)



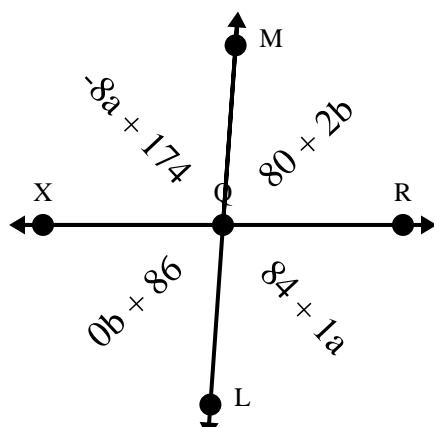
1. \_\_\_\_\_  
 2. \_\_\_\_\_  
 3. \_\_\_\_\_  
 4. \_\_\_\_\_  
 5. \_\_\_\_\_  
 6. \_\_\_\_\_  
 7. \_\_\_\_\_  
 8. \_\_\_\_\_



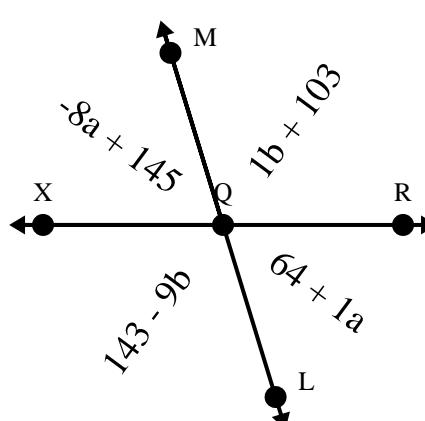
## Finding Variable Value by Balancing Equations

Name: **Answer Key**Find the value of 'a' and 'b'. Angle XQR is  $180^\circ$ .

1)

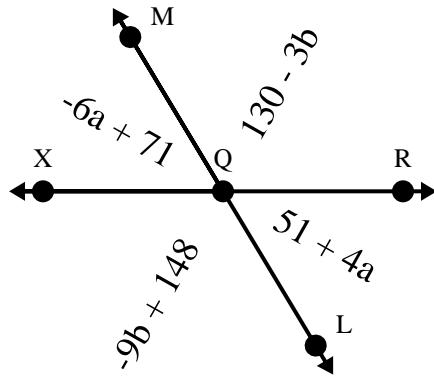


2)

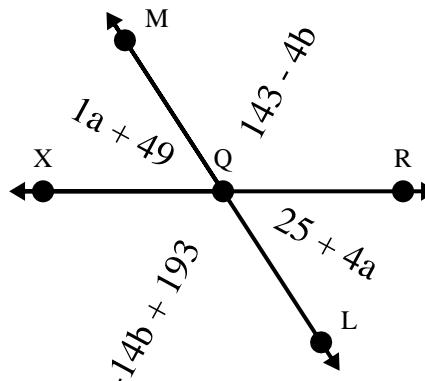
**Answers**

- |    |           |          |
|----|-----------|----------|
| 1. | <b>10</b> | <b>3</b> |
| 2. | <b>9</b>  | <b>4</b> |
| 3. | <b>2</b>  | <b>3</b> |
| 4. | <b>8</b>  | <b>5</b> |
| 5. | <b>8</b>  | <b>3</b> |
| 6. | <b>6</b>  | <b>3</b> |
| 7. | <b>6</b>  | <b>2</b> |
| 8. | <b>2</b>  | <b>5</b> |

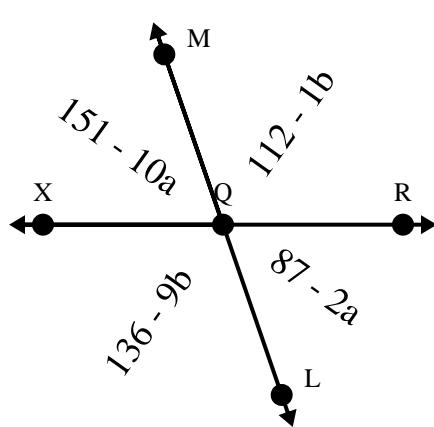
3)



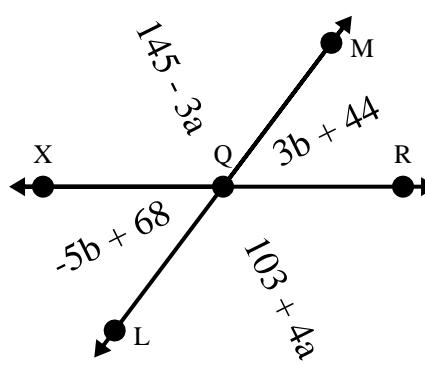
4)



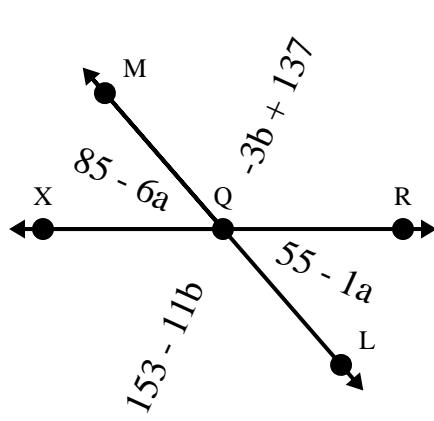
5)



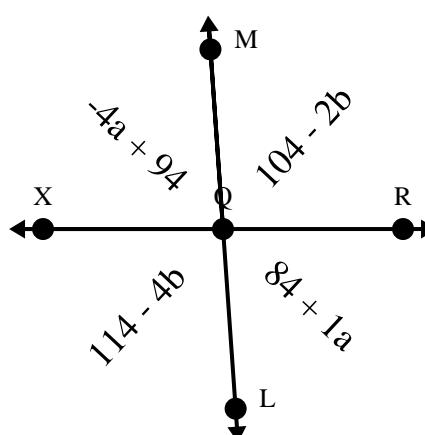
6)



7)



8)



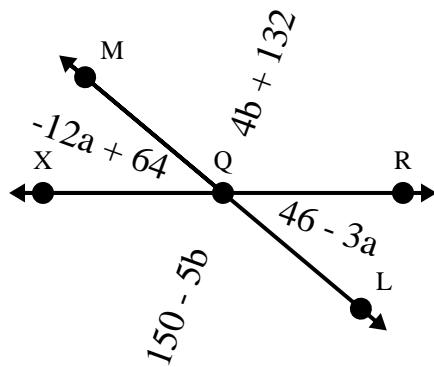


## Finding Variable Value by Balancing Equations

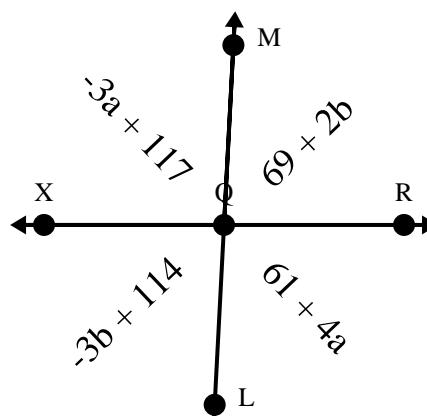
Name: \_\_\_\_\_

Find the value of 'a' and 'b'. Angle XQR is  $180^\circ$ .Answers

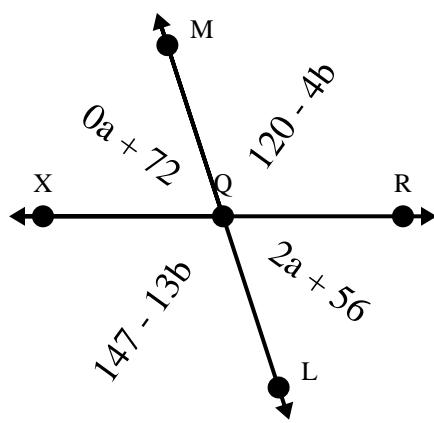
1)



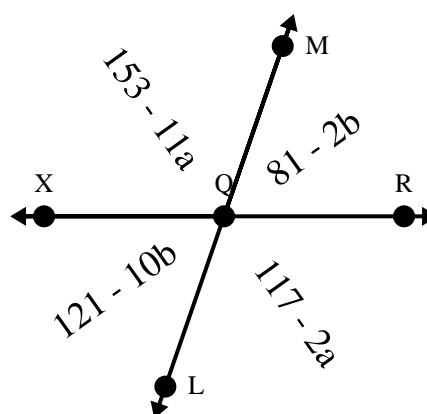
2)



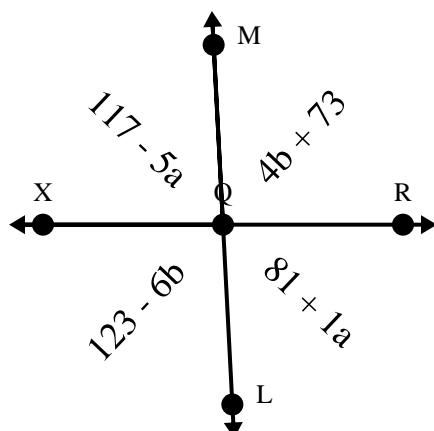
3)



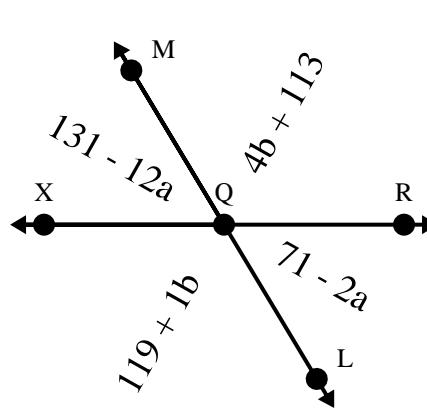
4)



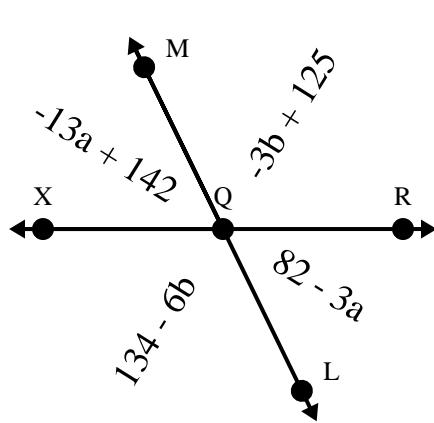
5)



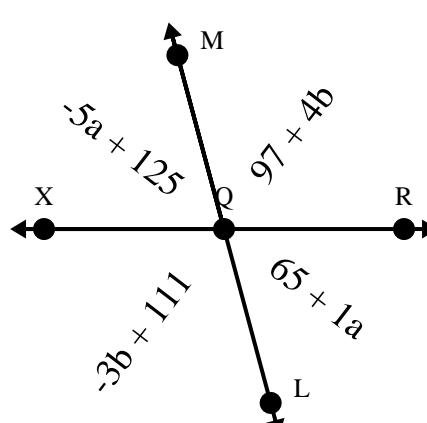
6)



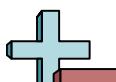
7)



8)



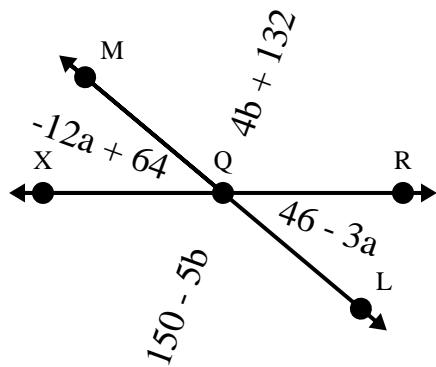
1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_  
4. \_\_\_\_\_  
5. \_\_\_\_\_  
6. \_\_\_\_\_  
7. \_\_\_\_\_  
8. \_\_\_\_\_



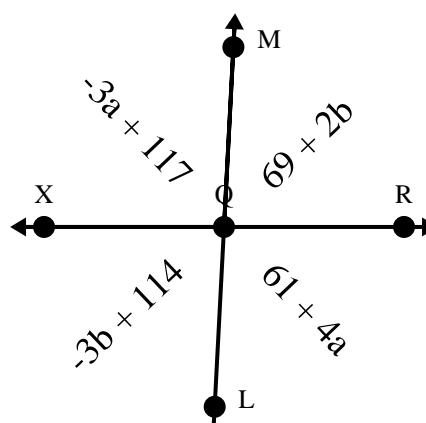
## Finding Variable Value by Balancing Equations

Name: **Answer Key**Find the value of 'a' and 'b'. Angle XQR is  $180^\circ$ .

1)

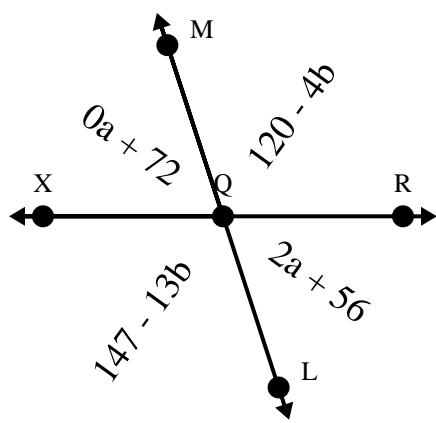


2)

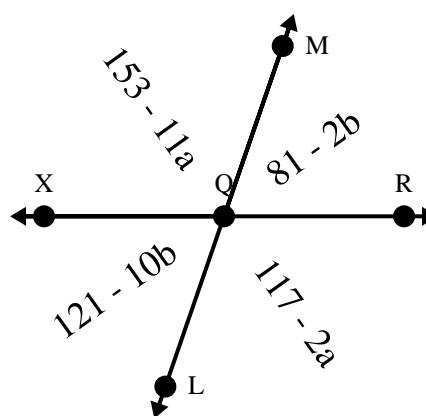
**Answers**

- |    |           |          |
|----|-----------|----------|
| 1. | <b>2</b>  | <b>2</b> |
| 2. | <b>8</b>  | <b>9</b> |
| 3. | <b>8</b>  | <b>3</b> |
| 4. | <b>4</b>  | <b>5</b> |
| 5. | <b>6</b>  | <b>5</b> |
| 6. | <b>6</b>  | <b>2</b> |
| 7. | <b>6</b>  | <b>3</b> |
| 8. | <b>10</b> | <b>2</b> |

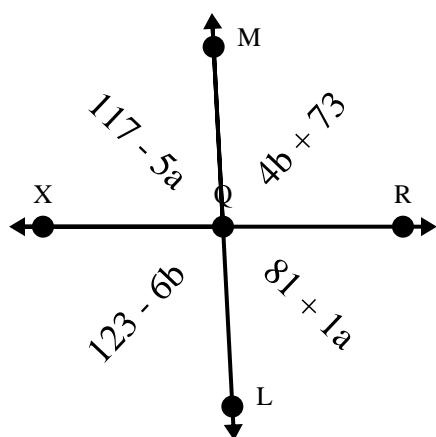
3)



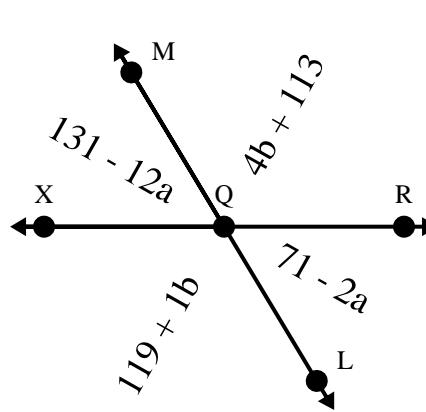
4)



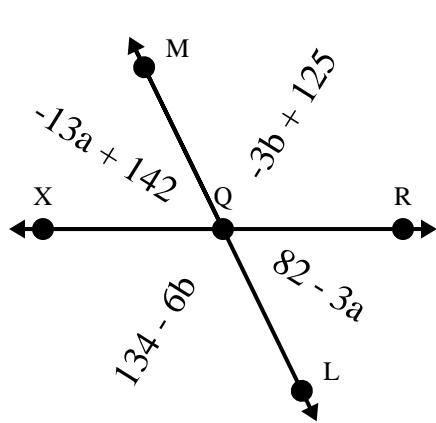
5)



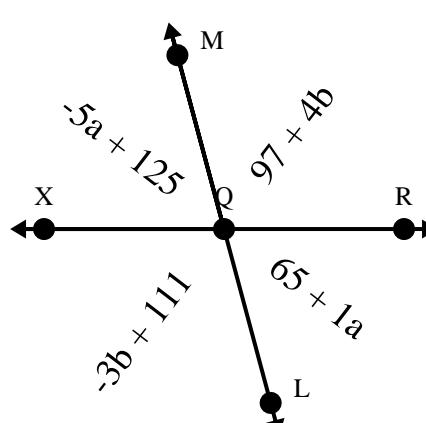
6)



7)



8)



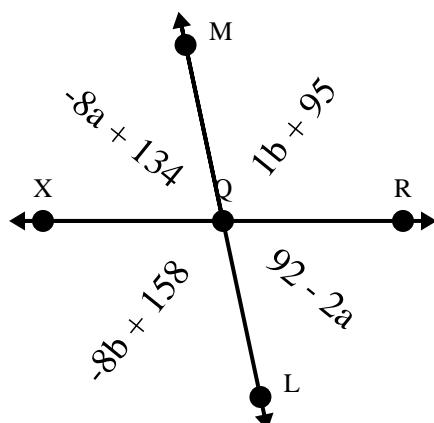


## Finding Variable Value by Balancing Equations

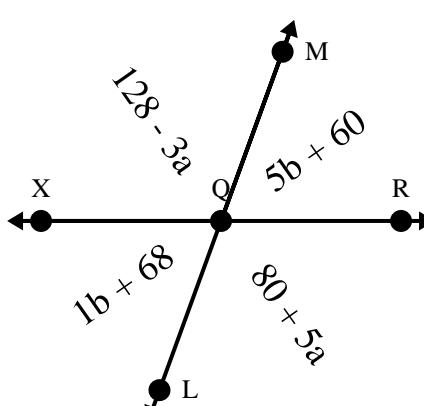
Name: \_\_\_\_\_

Find the value of 'a' and 'b'. Angle XQR is  $180^\circ$ .Answers

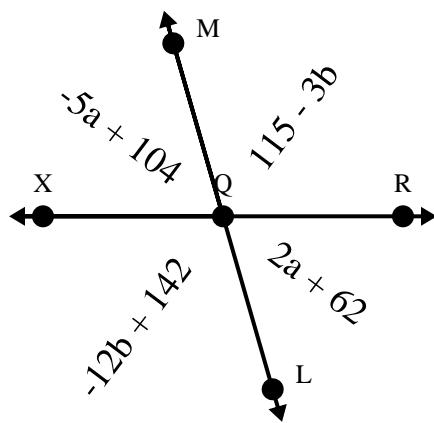
1)



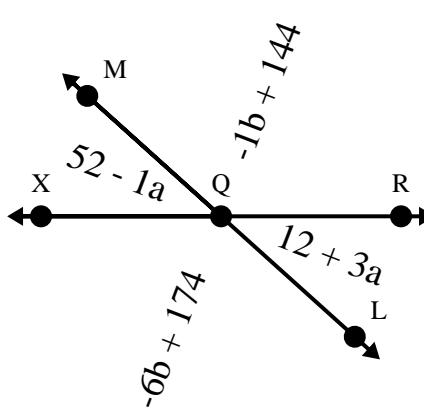
2)



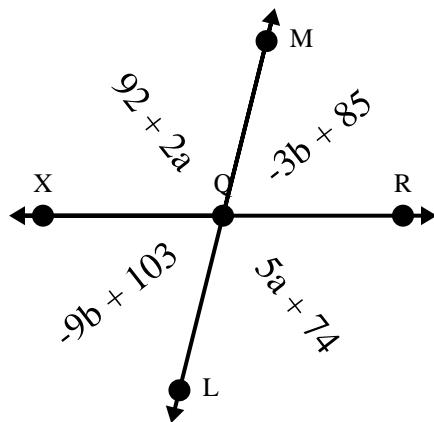
3)



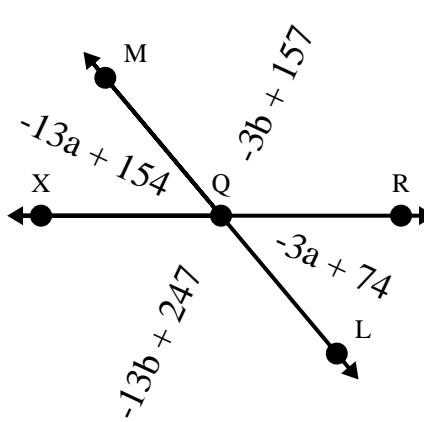
4)



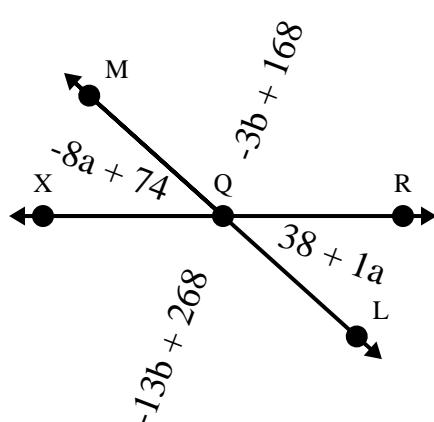
5)



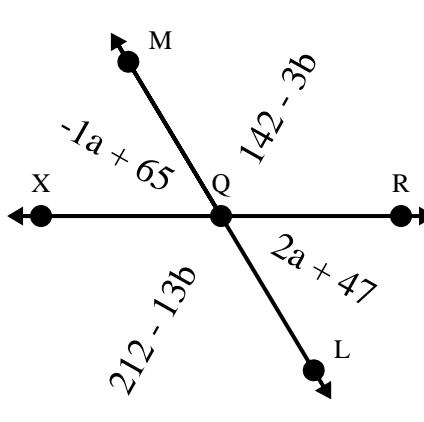
6)



7)



8)



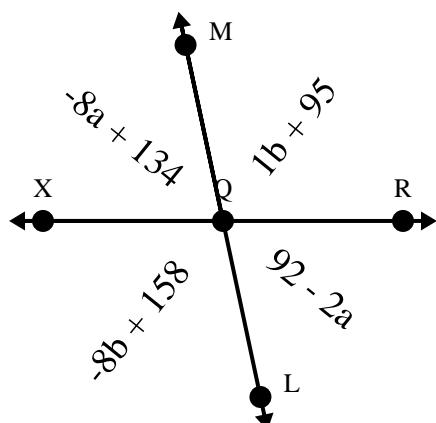
1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_  
4. \_\_\_\_\_  
5. \_\_\_\_\_  
6. \_\_\_\_\_  
7. \_\_\_\_\_  
8. \_\_\_\_\_



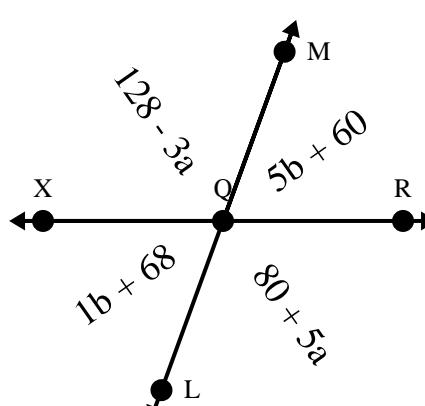
## Finding Variable Value by Balancing Equations

Name: **Answer Key**Find the value of 'a' and 'b'. Angle XQR is  $180^\circ$ .

1)

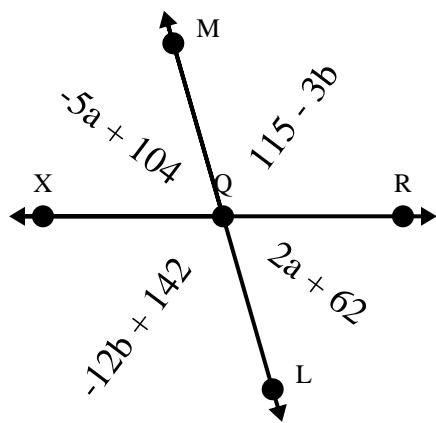


2)

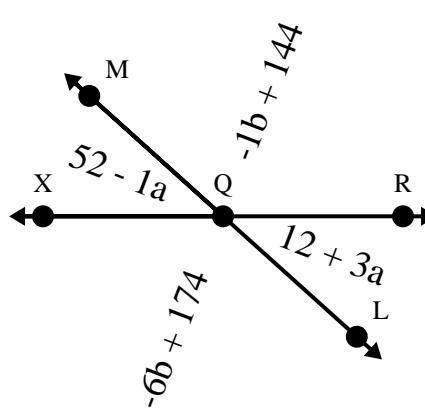
**Answers**

- |    |           |           |
|----|-----------|-----------|
| 1. | <b>7</b>  | <b>7</b>  |
| 2. | <b>6</b>  | <b>2</b>  |
| 3. | <b>6</b>  | <b>3</b>  |
| 4. | <b>10</b> | <b>6</b>  |
| 5. | <b>6</b>  | <b>3</b>  |
| 6. | <b>8</b>  | <b>9</b>  |
| 7. | <b>4</b>  | <b>10</b> |
| 8. | <b>6</b>  | <b>7</b>  |

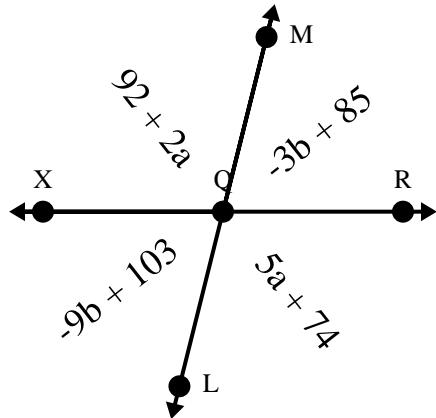
3)



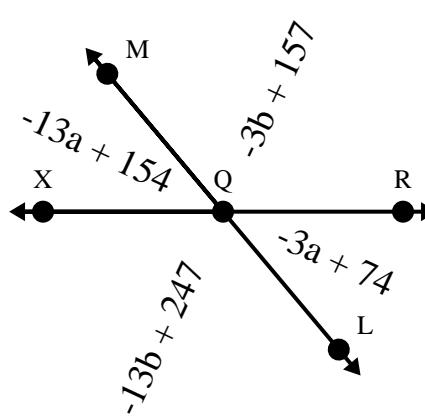
4)



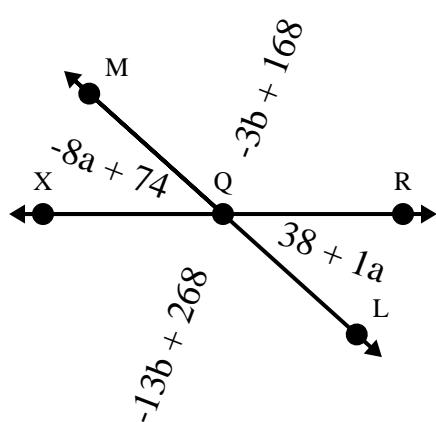
5)



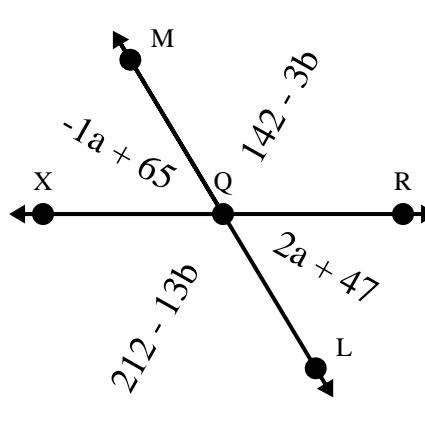
6)



7)



8)



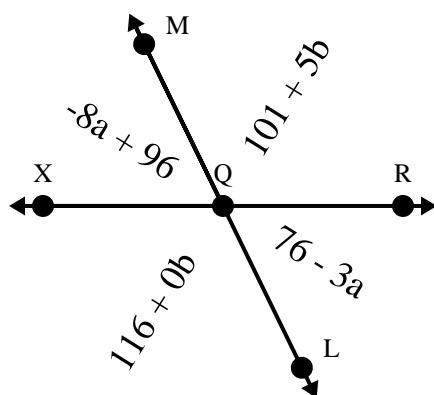


## Finding Variable Value by Balancing Equations

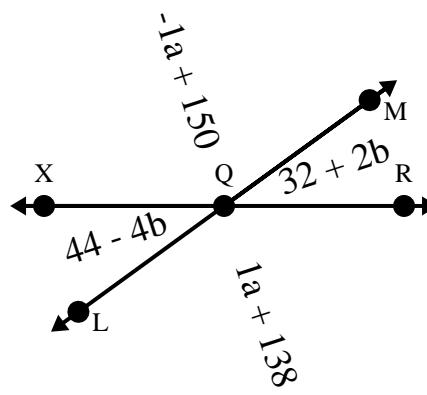
Name: \_\_\_\_\_

Find the value of 'a' and 'b'. Angle XQR is  $180^\circ$ .Answers

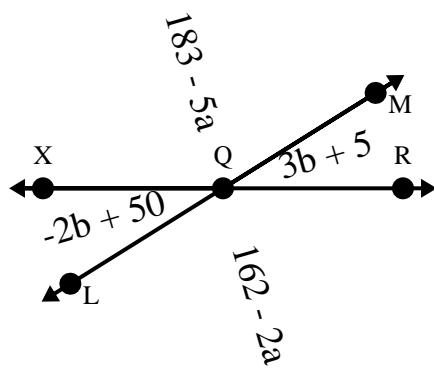
1)



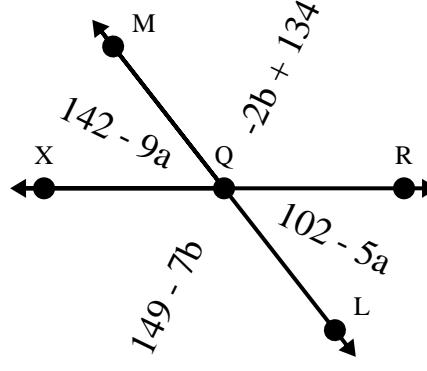
2)



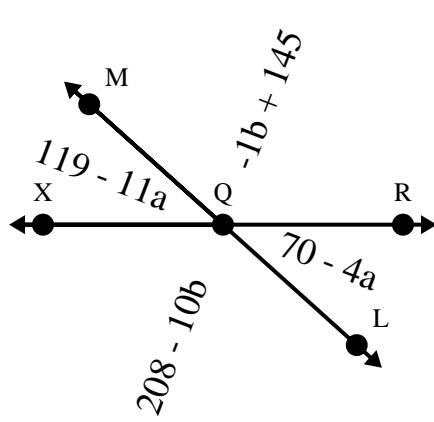
3)



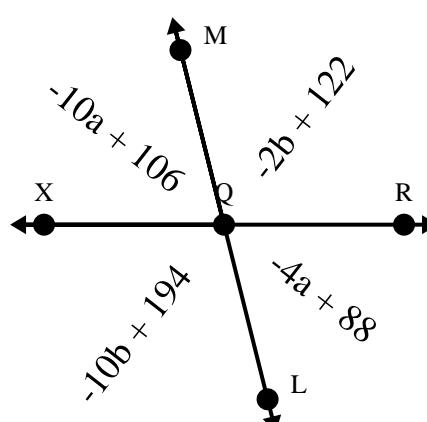
4)



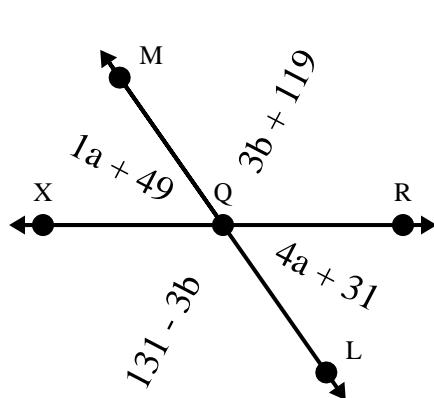
5)



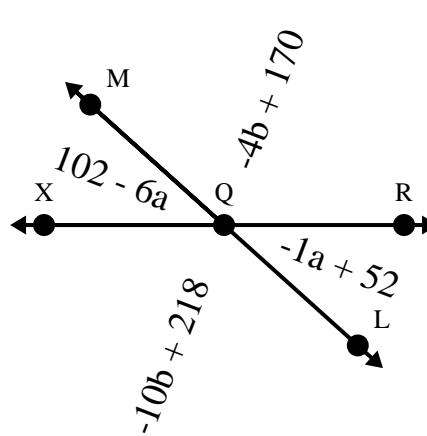
6)



7)



8)



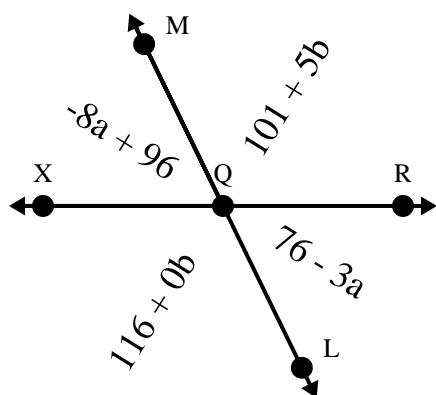
1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_



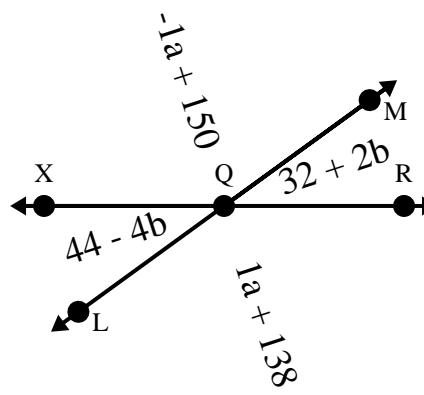
## Finding Variable Value by Balancing Equations

Name: **Answer Key**Find the value of 'a' and 'b'. Angle XQR is  $180^\circ$ .

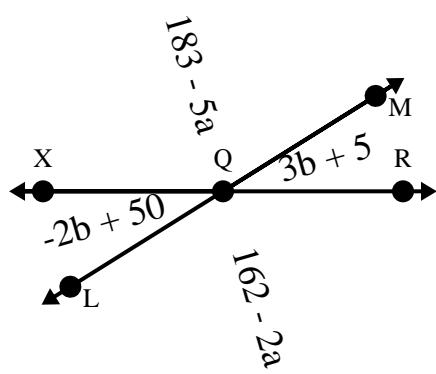
1)



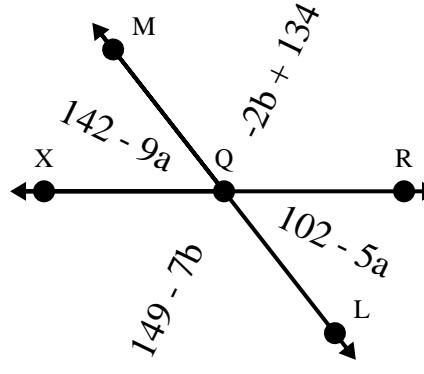
2)



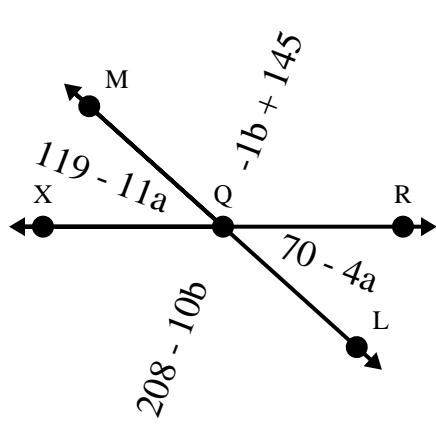
3)



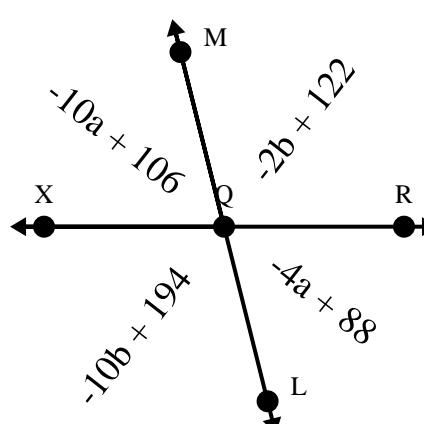
4)



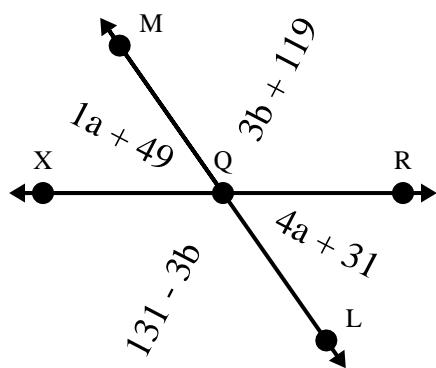
5)



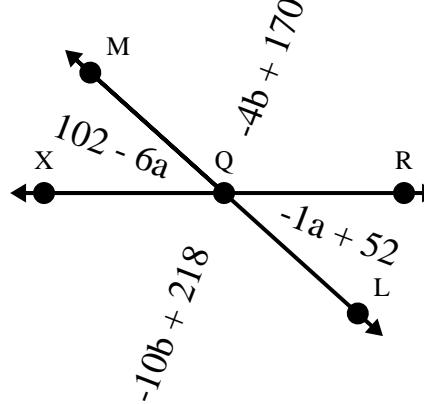
6)



7)



8)

**Answers**

- |    |           |          |
|----|-----------|----------|
| 1. | <b>4</b>  | <b>3</b> |
| 2. | <b>6</b>  | <b>2</b> |
| 3. | <b>7</b>  | <b>9</b> |
| 4. | <b>10</b> | <b>3</b> |
| 5. | <b>7</b>  | <b>7</b> |
| 6. | <b>3</b>  | <b>9</b> |
| 7. | <b>6</b>  | <b>2</b> |
| 8. | <b>10</b> | <b>8</b> |

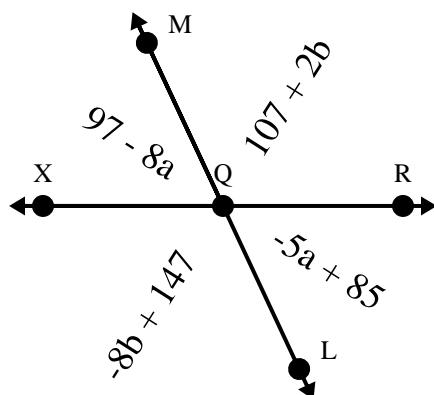


## Finding Variable Value by Balancing Equations

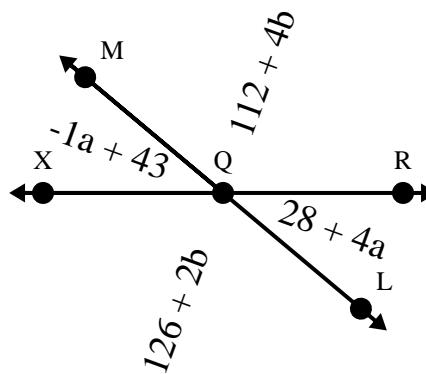
Name: \_\_\_\_\_

Find the value of 'a' and 'b'. Angle XQR is  $180^\circ$ .Answers

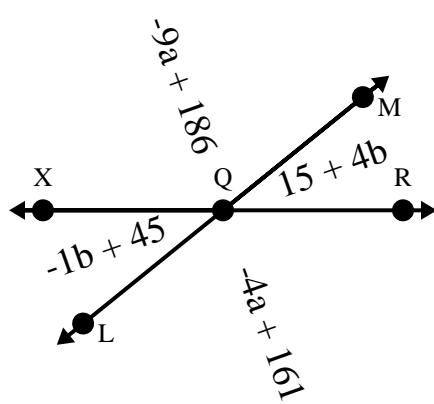
1)



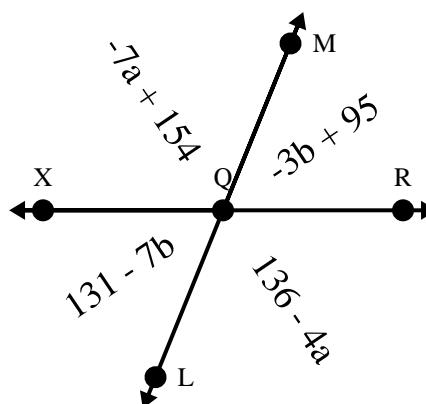
2)



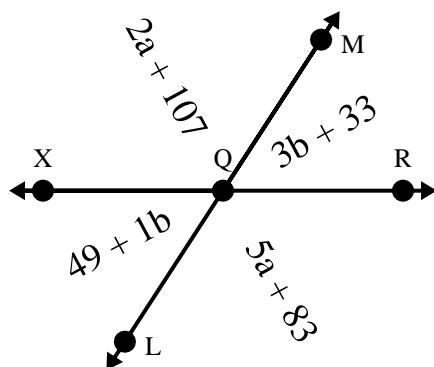
3)



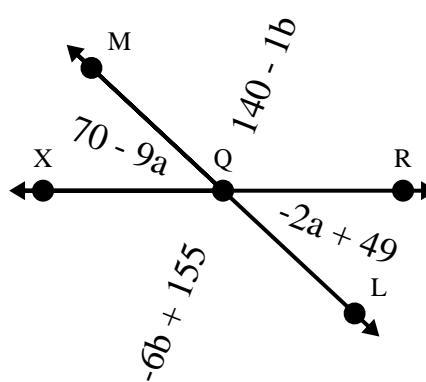
4)



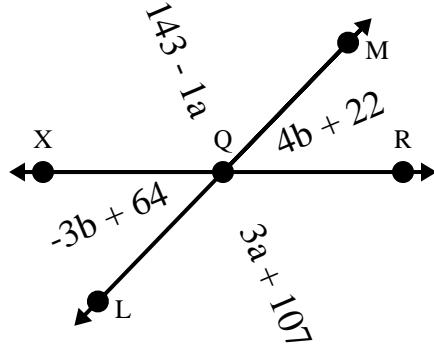
5)



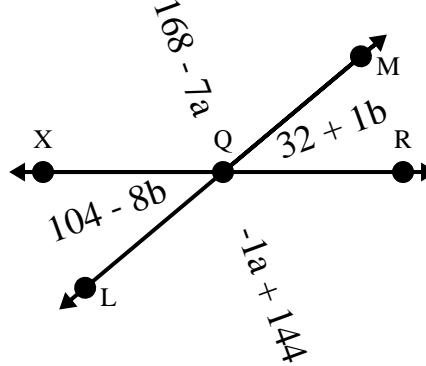
6)



7)



8)



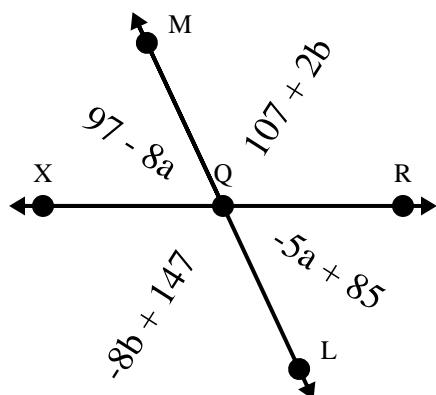
1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_



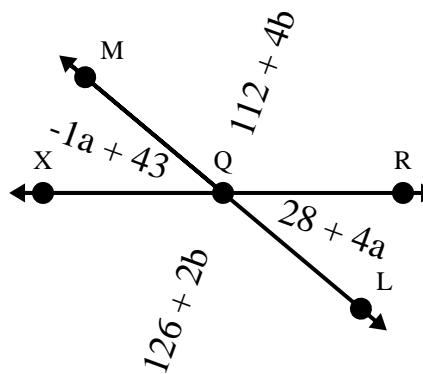
## Finding Variable Value by Balancing Equations

Name: **Answer Key**Find the value of 'a' and 'b'. Angle XQR is  $180^\circ$ .

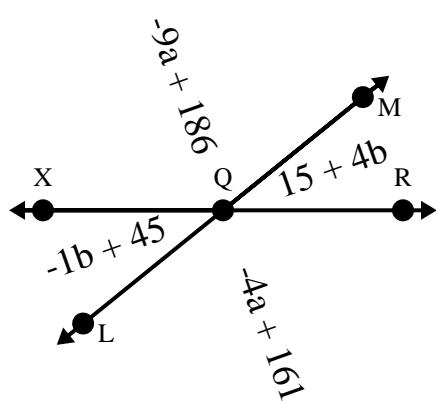
1)



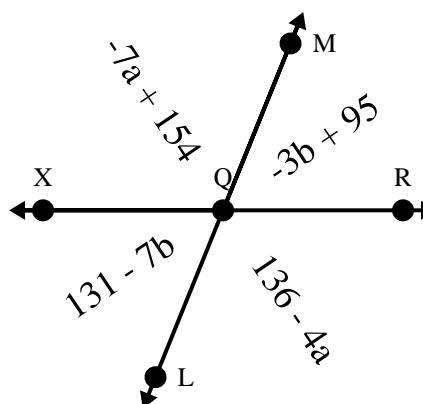
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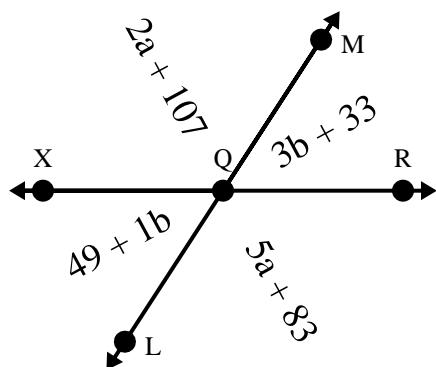
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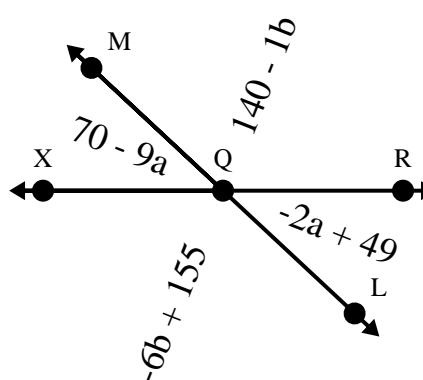
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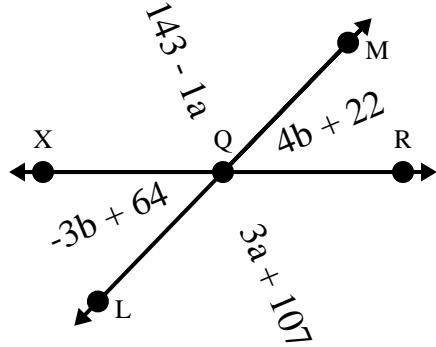
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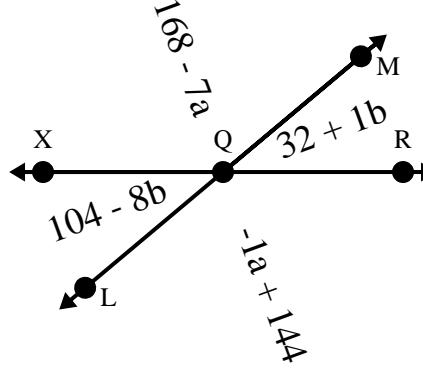
6)



7)



8)

**Answers**

1.	4	4
2.	3	7
3.	5	6
4.	6	9
5.	8	8
6.	3	3
7.	9	6
8.	4	8

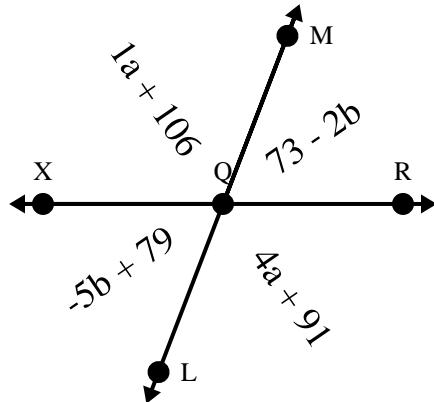


## Finding Variable Value by Balancing Equations

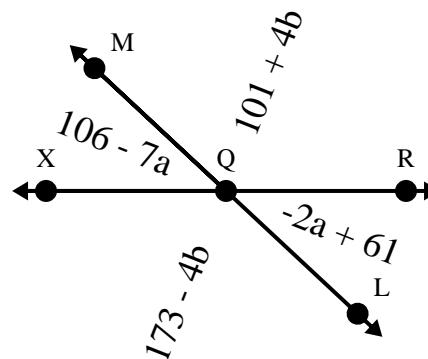
Name: \_\_\_\_\_

Find the value of 'a' and 'b'. Angle XQR is  $180^\circ$ .

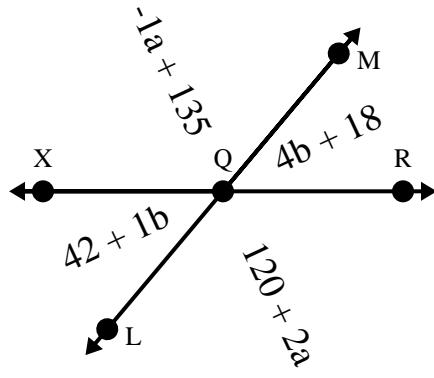
1)



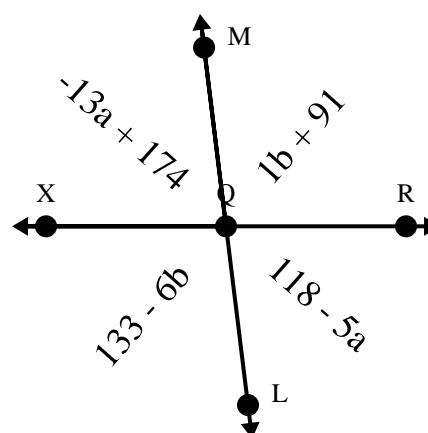
2)



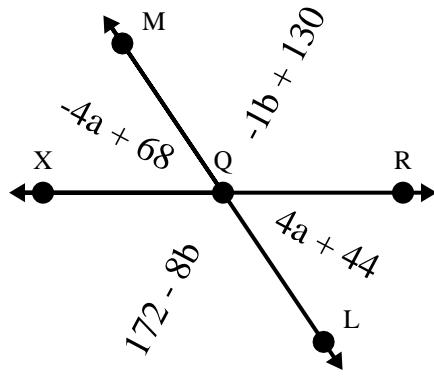
3)



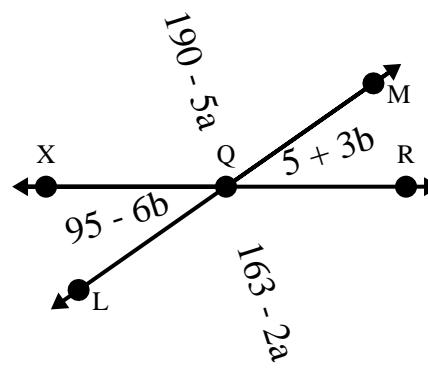
4)



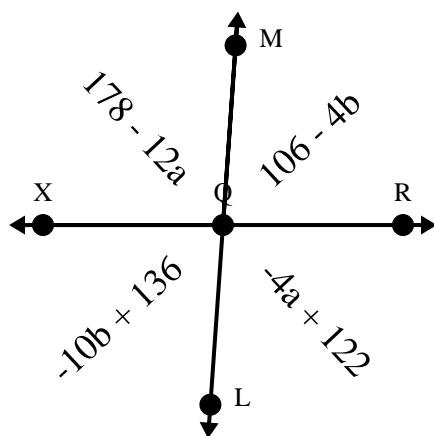
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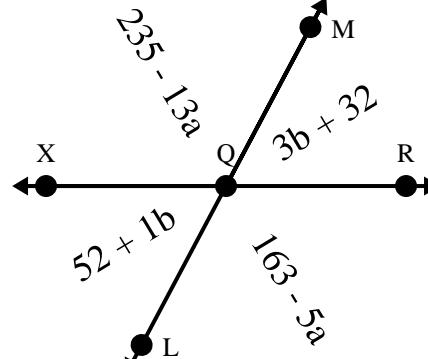
6)



7)



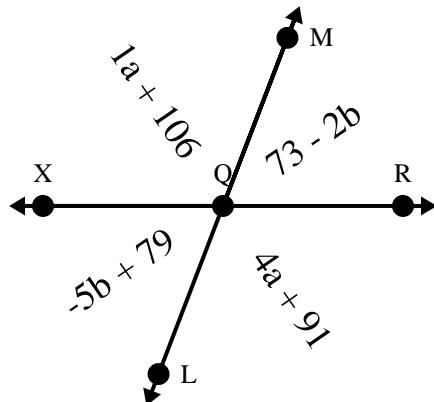
8)

Answers

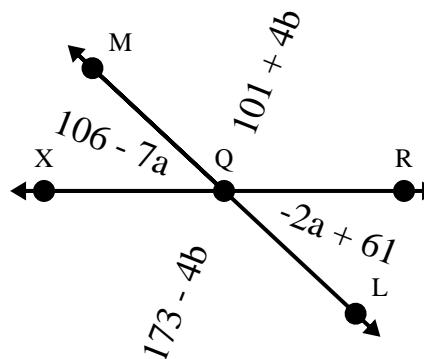
1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_

Find the value of 'a' and 'b'. Angle XQR is  $180^\circ$ .

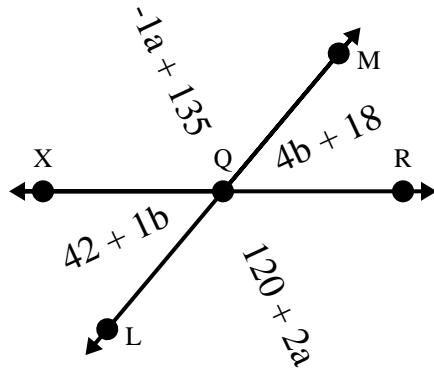
1)



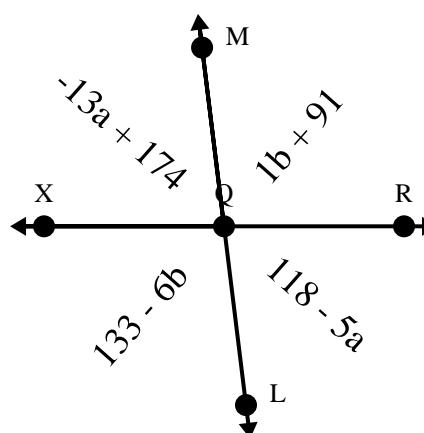
2)



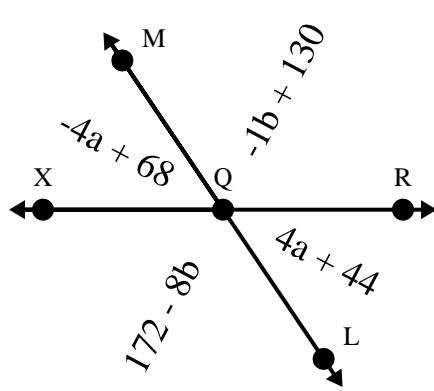
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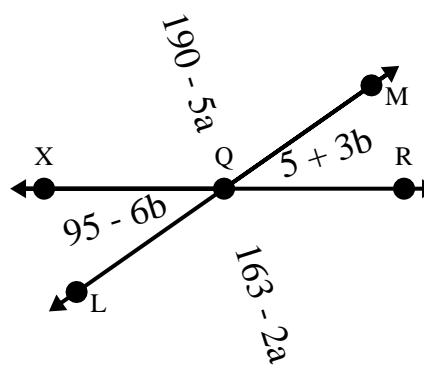
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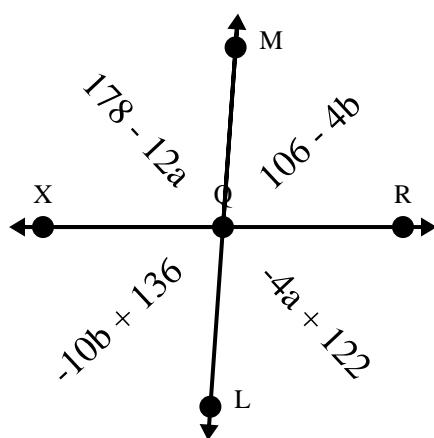
5)



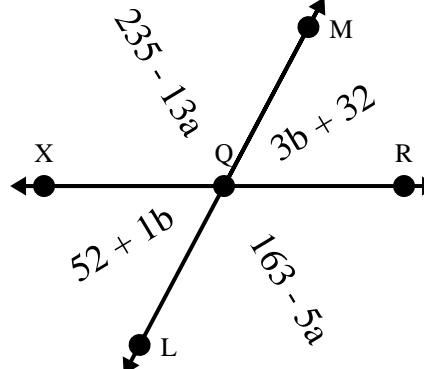
6)



7)



8)

**Answers**

- |    |          |           |
|----|----------|-----------|
| 1. | <b>5</b> | <b>2</b>  |
| 2. | <b>9</b> | <b>9</b>  |
| 3. | <b>5</b> | <b>8</b>  |
| 4. | <b>7</b> | <b>6</b>  |
| 5. | <b>3</b> | <b>6</b>  |
| 6. | <b>9</b> | <b>10</b> |
| 7. | <b>7</b> | <b>5</b>  |
| 8. | <b>9</b> | <b>10</b> |

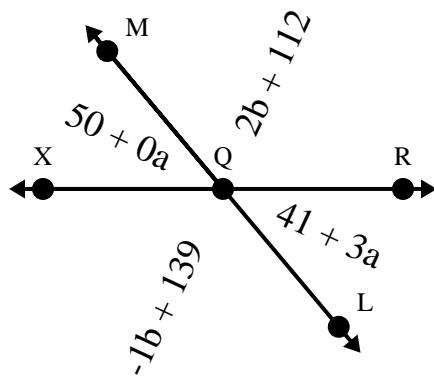


## Finding Variable Value by Balancing Equations

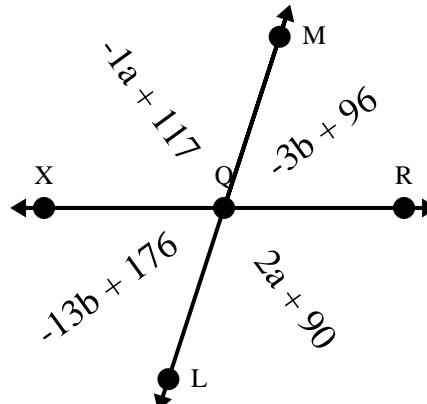
Name: \_\_\_\_\_

Find the value of 'a' and 'b'. Angle XQR is  $180^\circ$ .Answers

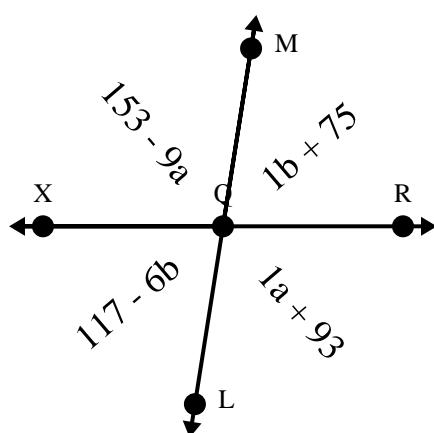
1)



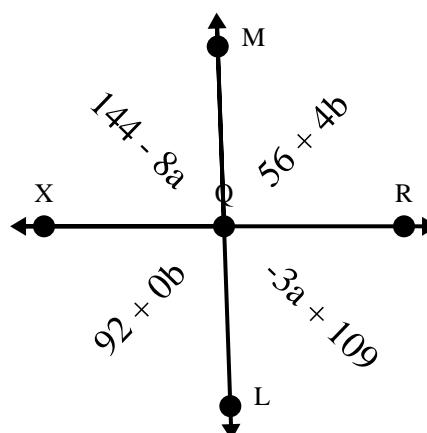
2)



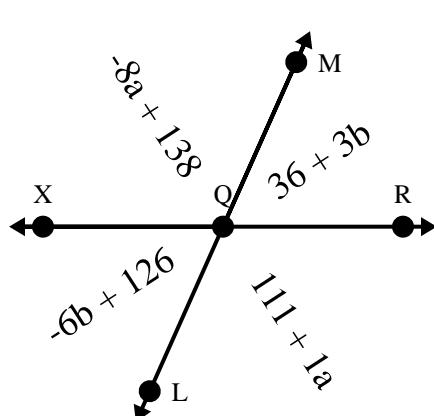
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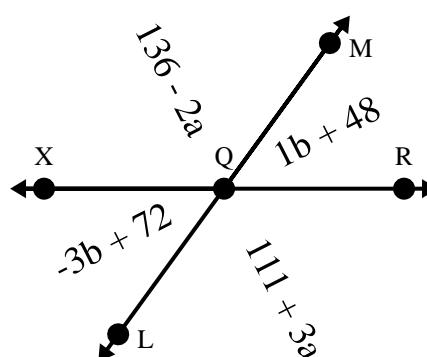
4)



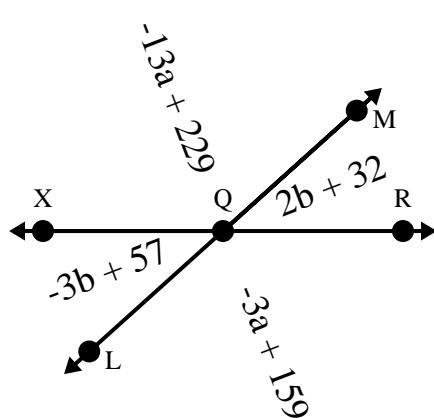
5)



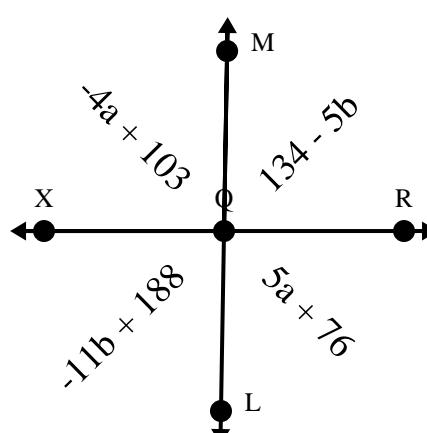
6)



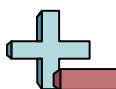
7)



8)



1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_  
4. \_\_\_\_\_  
5. \_\_\_\_\_  
6. \_\_\_\_\_  
7. \_\_\_\_\_  
8. \_\_\_\_\_

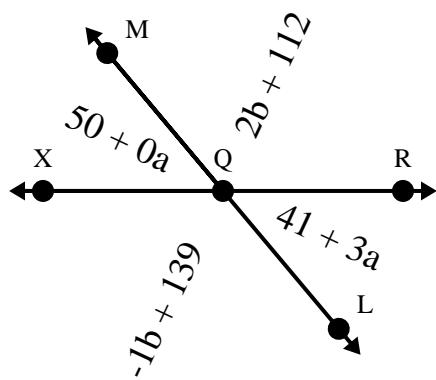


# Finding Variable Value by Balancing Equations

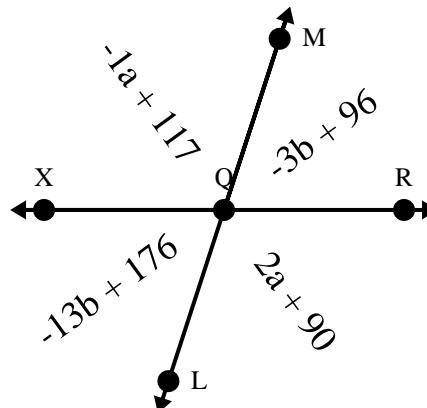
Name: **Answer Key**

Find the value of 'a' and 'b'. Angle XQR is  $180^\circ$ .

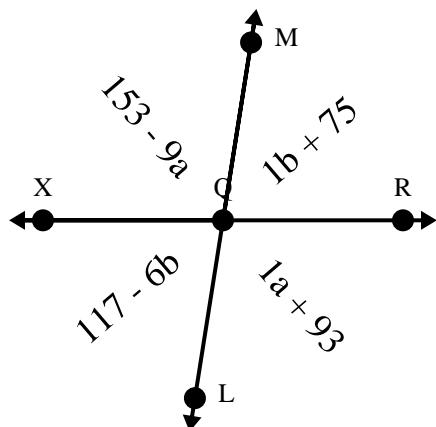
1)



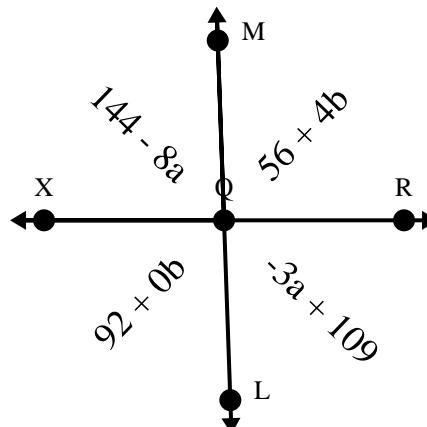
2)



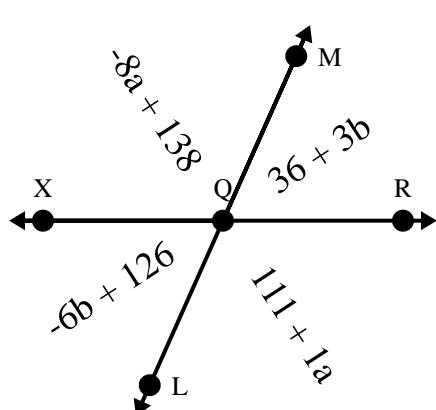
3)



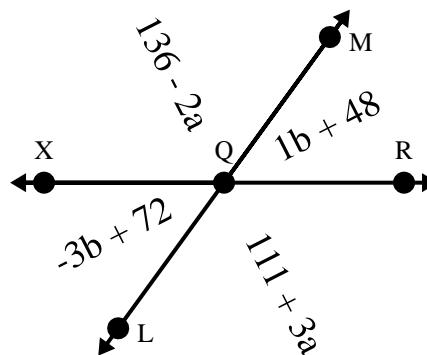
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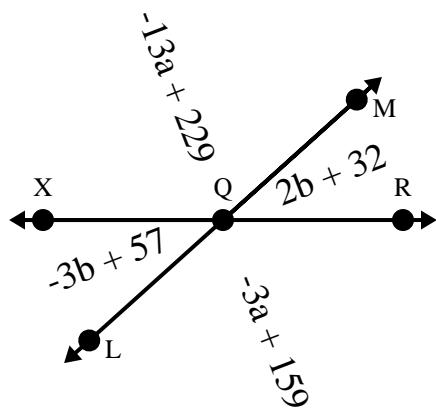
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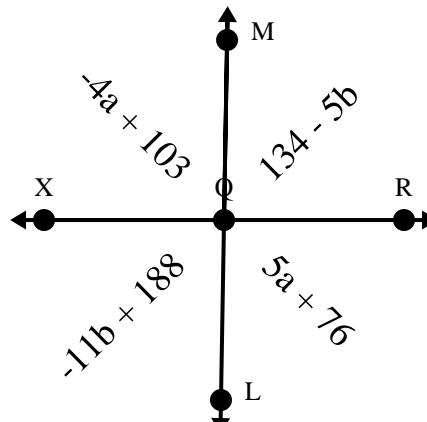
6)



7)



8)



## Answers

- |    |          |           |
|----|----------|-----------|
| 1. | <b>3</b> | <b>9</b>  |
| 2. | <b>9</b> | <b>8</b>  |
| 3. | <b>6</b> | <b>6</b>  |
| 4. | <b>7</b> | <b>9</b>  |
| 5. | <b>3</b> | <b>10</b> |
| 6. | <b>5</b> | <b>6</b>  |
| 7. | <b>7</b> | <b>5</b>  |
| 8. | <b>3</b> | <b>9</b>  |

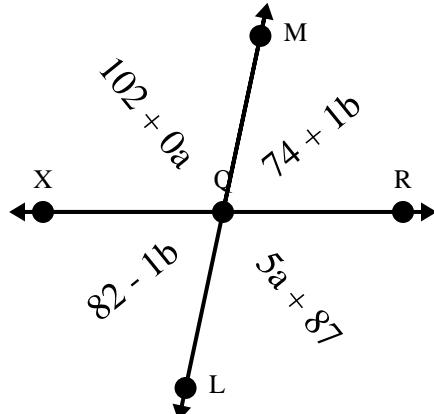


## Finding Variable Value by Balancing Equations

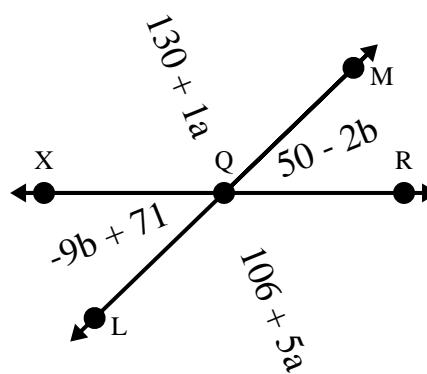
Name: \_\_\_\_\_

Find the value of 'a' and 'b'. Angle XQR is  $180^\circ$ .

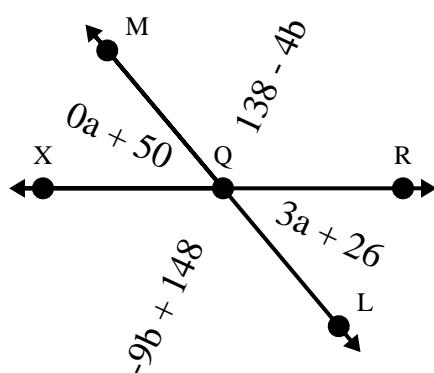
1)



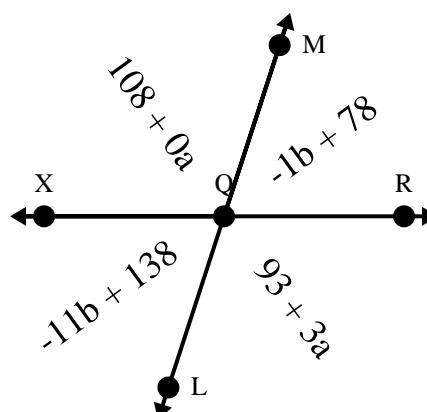
2)



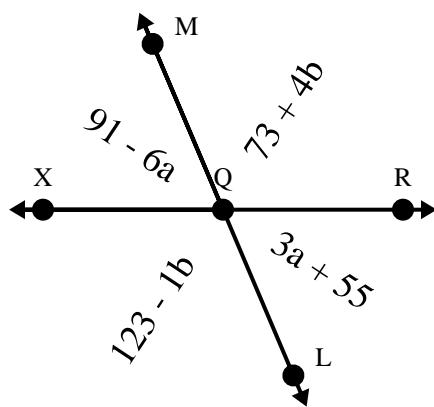
3)



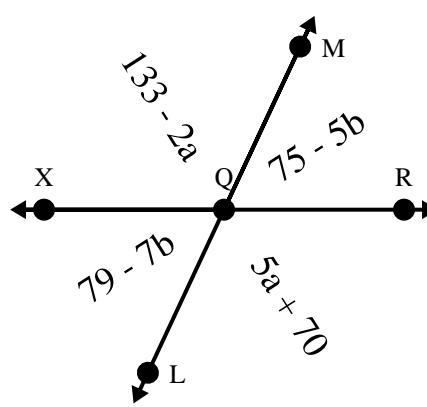
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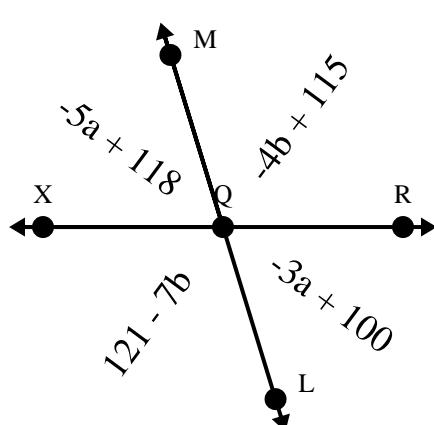
5)



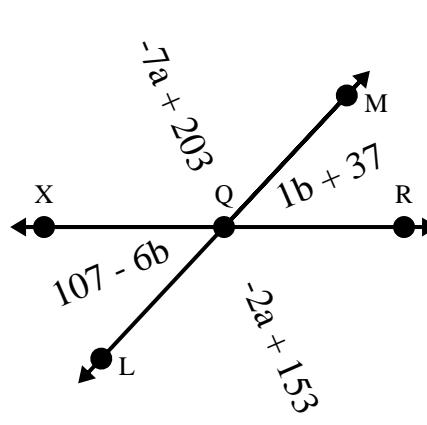
6)



7)



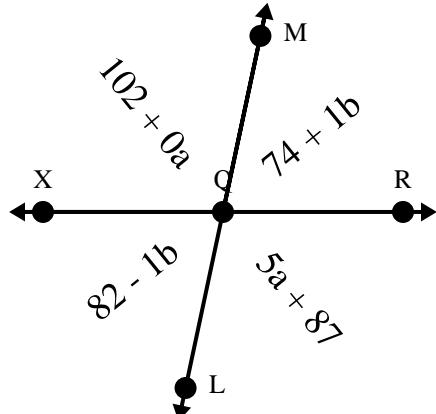
8)

Answers

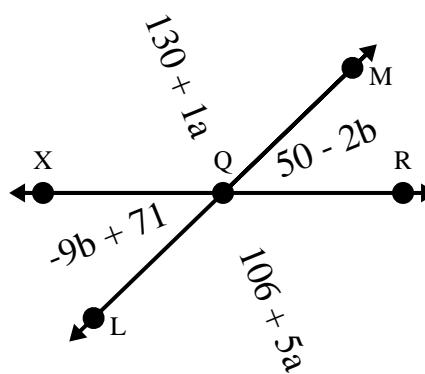
1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_  
4. \_\_\_\_\_  
5. \_\_\_\_\_  
6. \_\_\_\_\_  
7. \_\_\_\_\_  
8. \_\_\_\_\_

Find the value of 'a' and 'b'. Angle XQR is  $180^\circ$ .

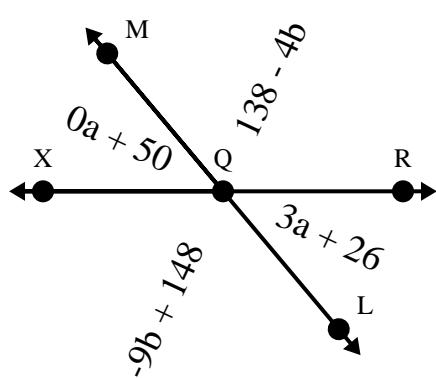
1)



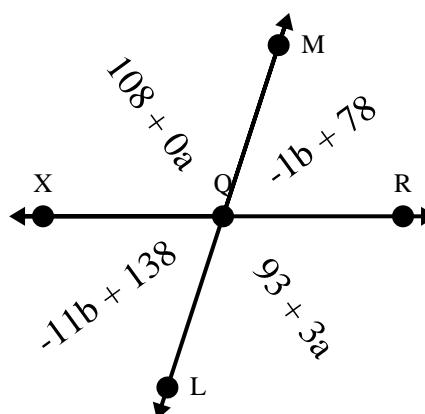
2)



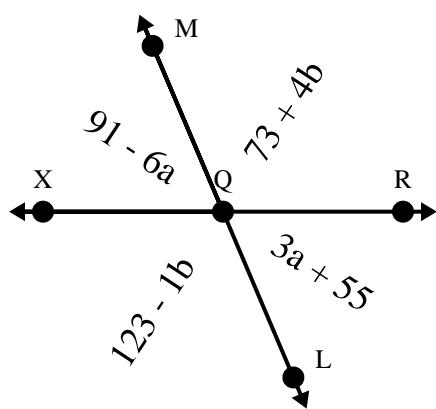
3)



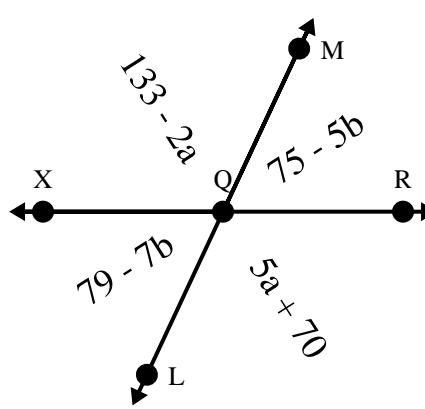
4)



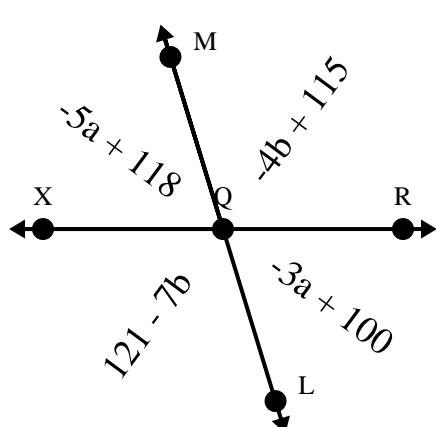
5)



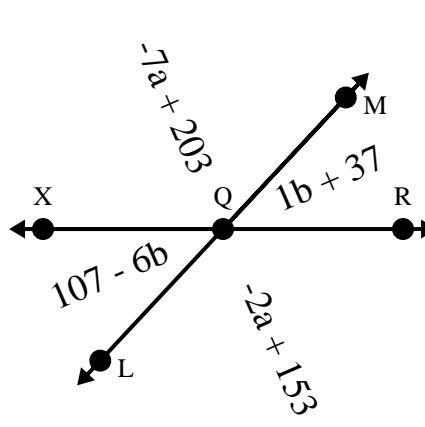
6)



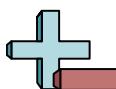
7)



8)

**Answers**

- |    |           |           |
|----|-----------|-----------|
| 1. | <b>3</b>  | <b>4</b>  |
| 2. | <b>6</b>  | <b>3</b>  |
| 3. | <b>8</b>  | <b>2</b>  |
| 4. | <b>5</b>  | <b>6</b>  |
| 5. | <b>4</b>  | <b>10</b> |
| 6. | <b>9</b>  | <b>2</b>  |
| 7. | <b>9</b>  | <b>2</b>  |
| 8. | <b>10</b> | <b>10</b> |

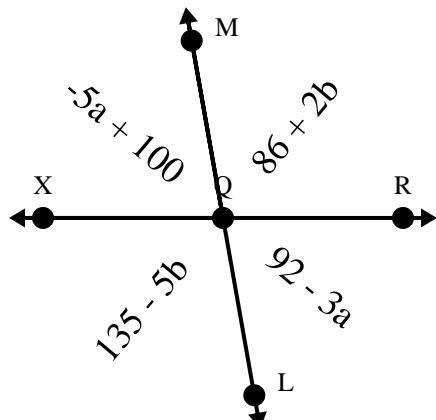


## Finding Variable Value by Balancing Equations

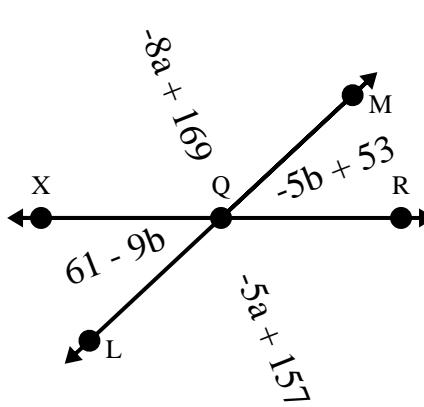
Name: \_\_\_\_\_

Find the value of 'a' and 'b'. Angle XQR is  $180^\circ$ .

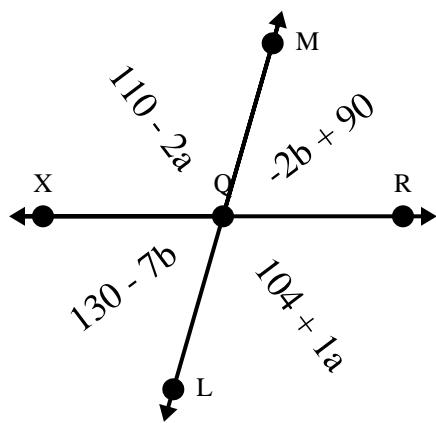
1)



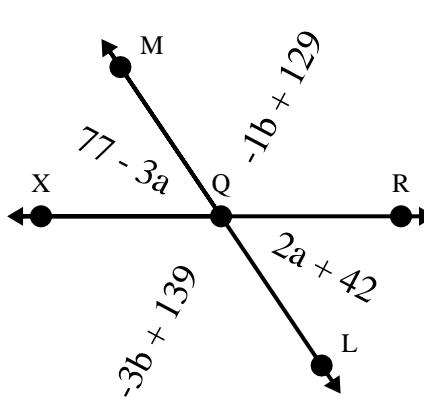
2)



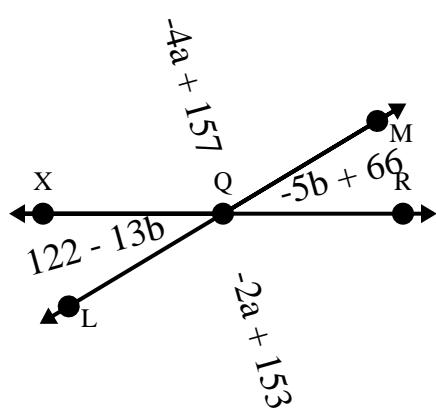
3)



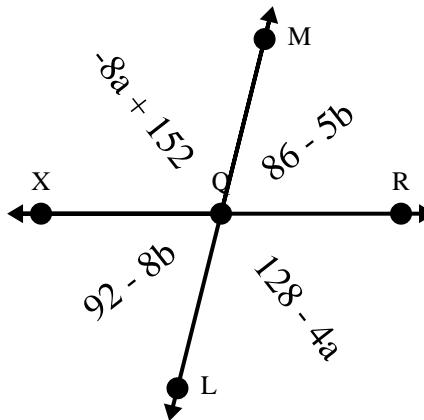
4)



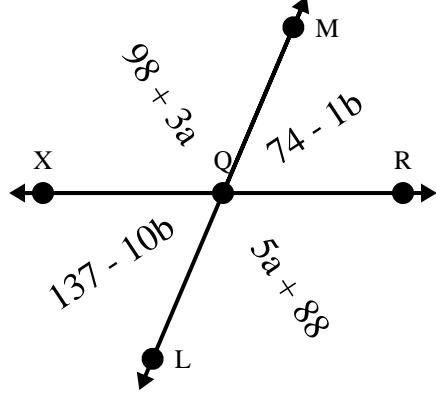
5)



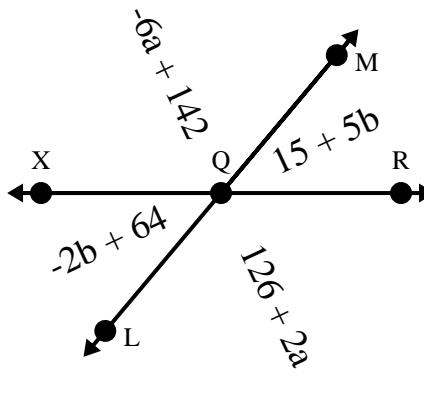
6)



7)



8)

Answers

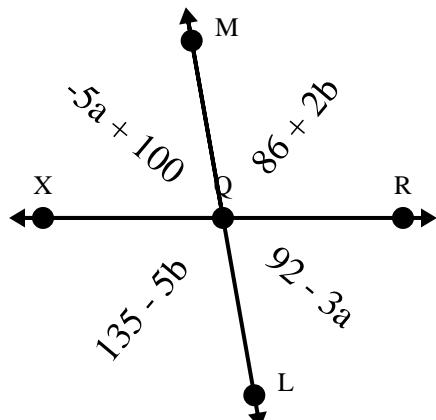
1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_



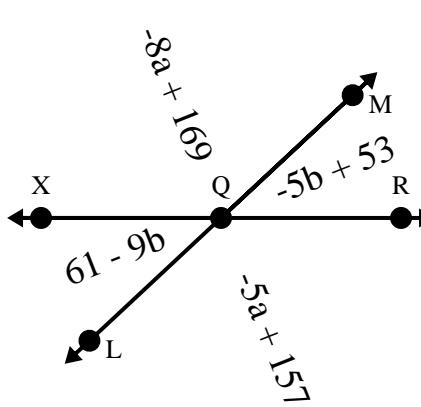
## Finding Variable Value by Balancing Equations

Name: **Answer Key**Find the value of 'a' and 'b'. Angle XQR is  $180^\circ$ .

1)

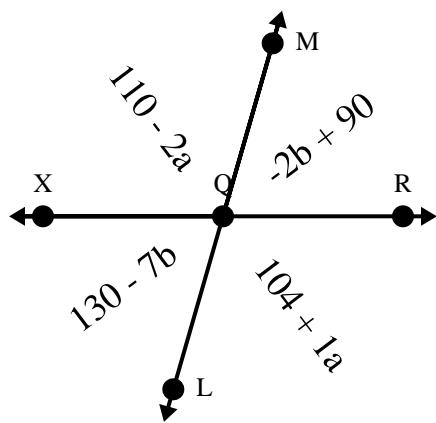


2)

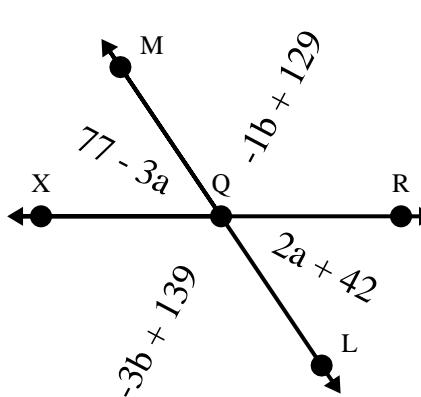
**Answers**

- |    |          |          |
|----|----------|----------|
| 1. | <b>4</b> | <b>7</b> |
| 2. | <b>4</b> | <b>2</b> |
| 3. | <b>2</b> | <b>8</b> |
| 4. | <b>7</b> | <b>5</b> |
| 5. | <b>2</b> | <b>7</b> |
| 6. | <b>6</b> | <b>2</b> |
| 7. | <b>5</b> | <b>7</b> |
| 8. | <b>2</b> | <b>7</b> |

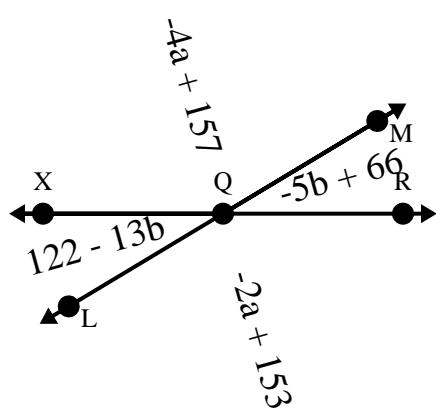
3)



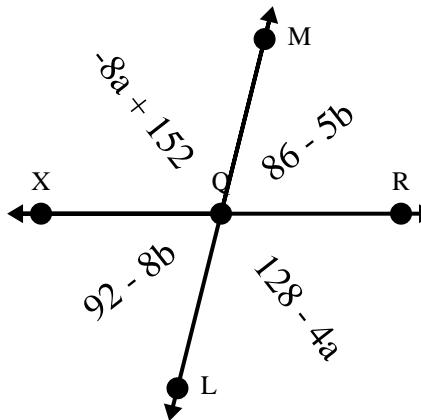
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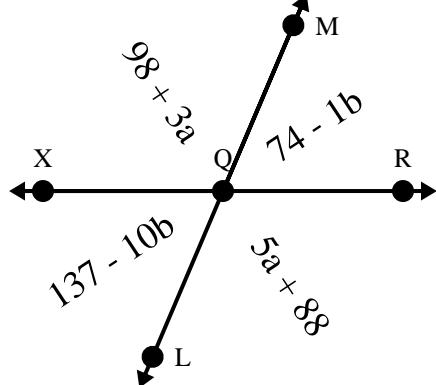
5)



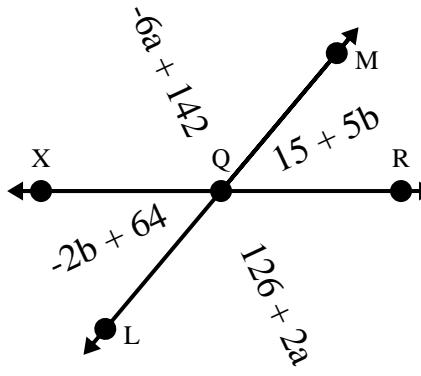
6)



7)



8)



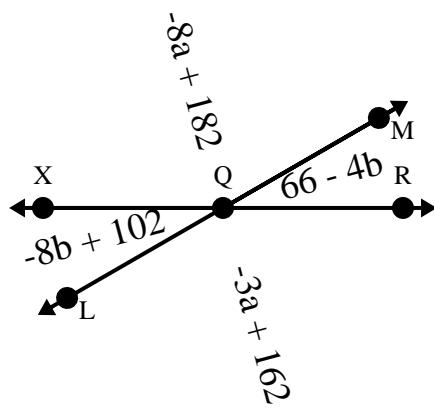


## Finding Variable Value by Balancing Equations

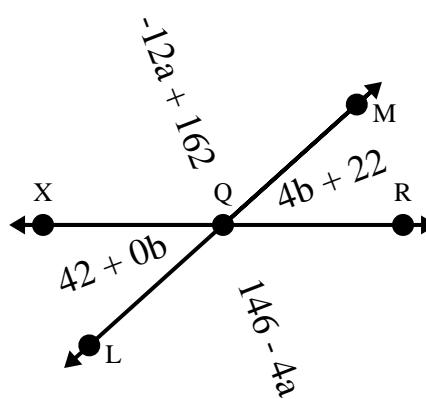
Name: \_\_\_\_\_

Find the value of 'a' and 'b'. Angle XQR is  $180^\circ$ .

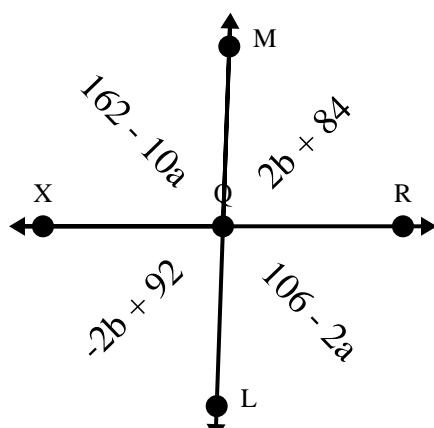
1)



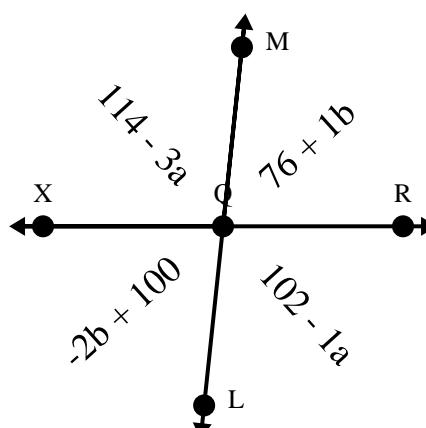
2)



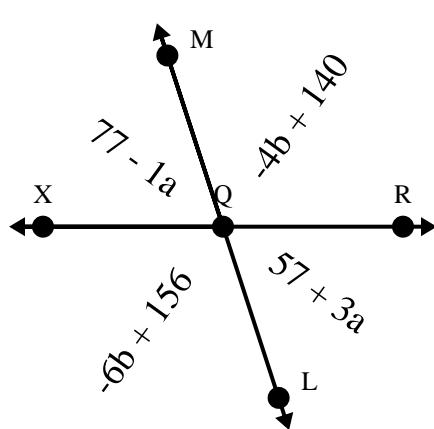
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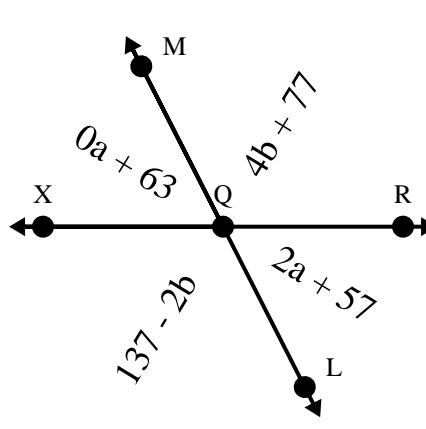
4)



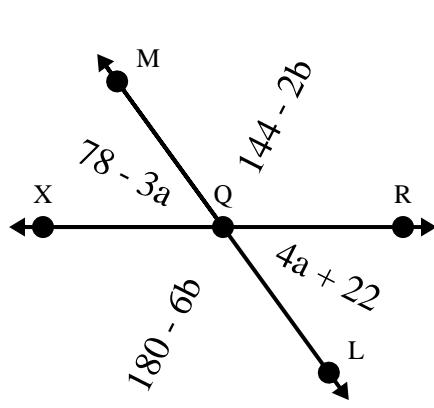
5)



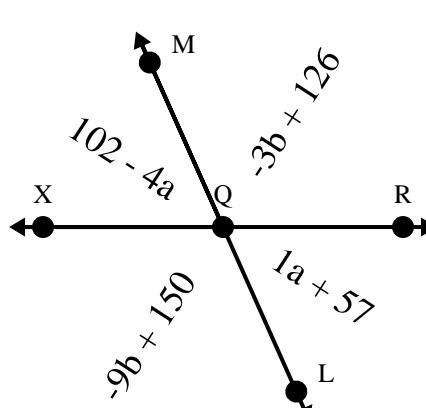
6)



7)



8)

Answers

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_



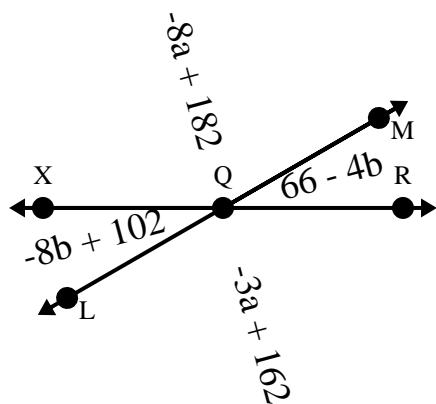
# Finding Variable Value by Balancing Equations

Name:

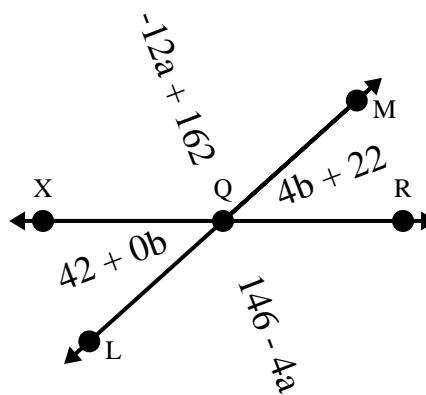
**Answer Key**

Find the value of 'a' and 'b'. Angle XQR is  $180^\circ$ .

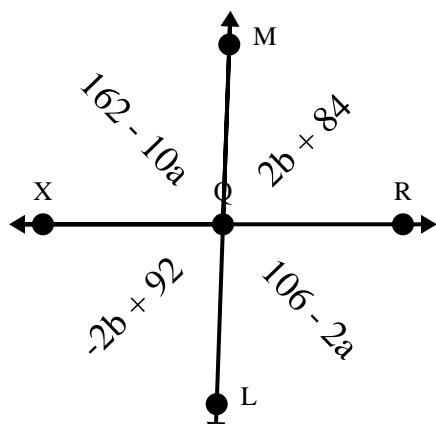
1)



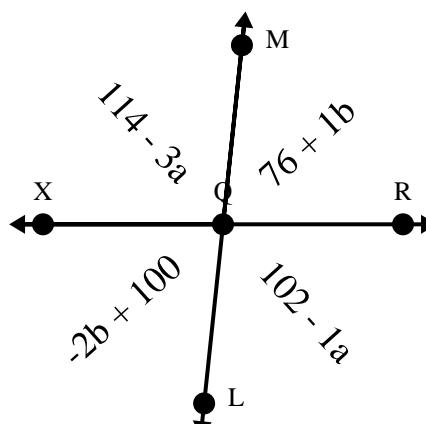
2)



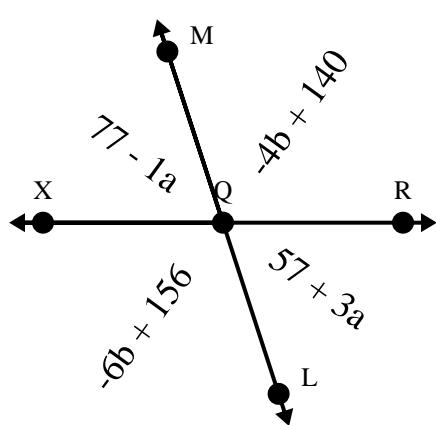
3)



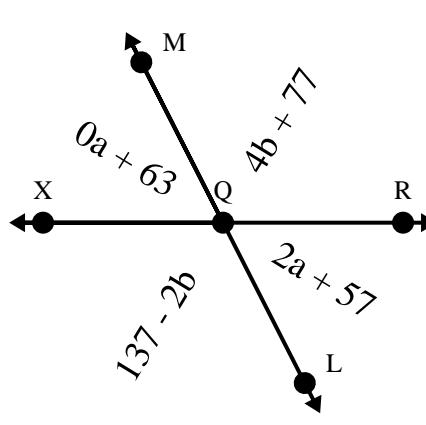
4)



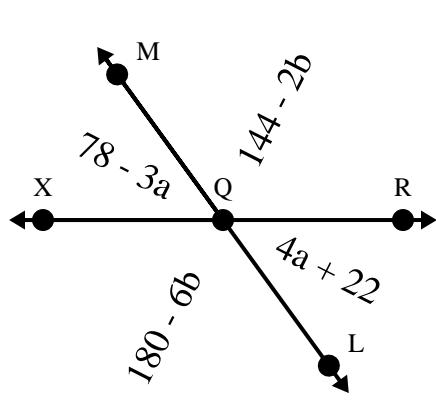
5)



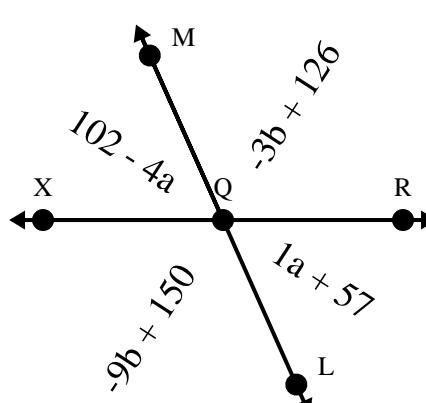
6)



7)



8)

**Answers**

- |    |          |           |
|----|----------|-----------|
| 1. | <b>4</b> | <b>9</b>  |
| 2. | <b>2</b> | <b>5</b>  |
| 3. | <b>7</b> | <b>2</b>  |
| 4. | <b>6</b> | <b>8</b>  |
| 5. | <b>5</b> | <b>8</b>  |
| 6. | <b>3</b> | <b>10</b> |
| 7. | <b>8</b> | <b>9</b>  |
| 8. | <b>9</b> | <b>4</b>  |