

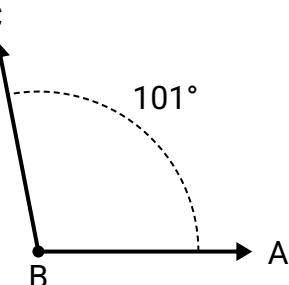


Adding a Ray and Calculating Angle

Name: _____

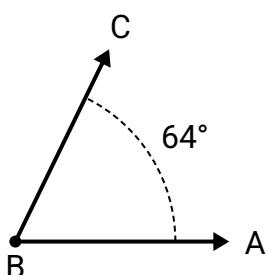
Solve each problem.

1)



A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle ABD measuring 56 degrees.
 B. What is the measure of angle DBC?

2)

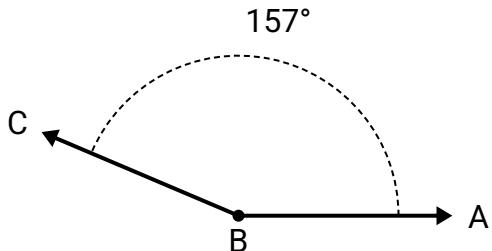


A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle ABD measuring 30 degrees.
 B. What is the measure of angle DBC?

Answers

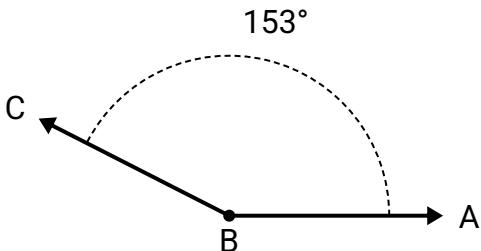
1. _____
 2. _____
 3. _____
 4. _____
 5. _____
 6. _____

3)



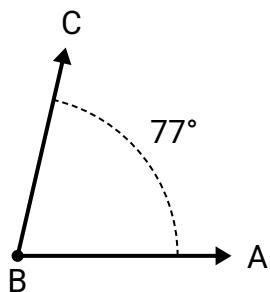
A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle ABD measuring 87 degrees.
 B. What is the measure of angle DBC?

4)



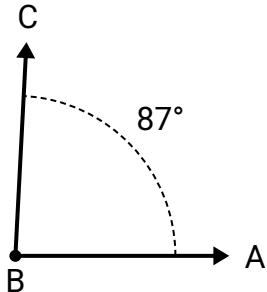
A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle DBC measuring 74 degrees.
 B. What is the measure of angle ABD?

5)



A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle DBC measuring 34 degrees.
 B. What is the measure of angle ABD?

6)



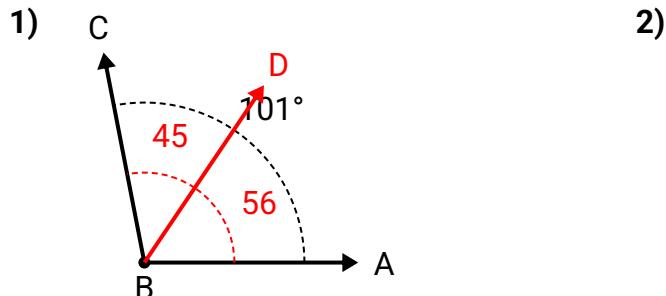
A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle DBC measuring 44 degrees.
 B. What is the measure of angle ABD?



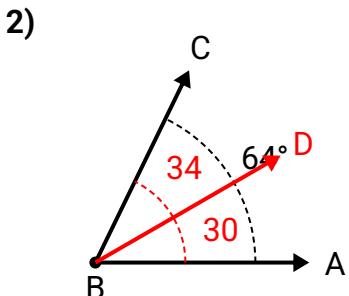
Adding a Ray and Calculating Angle

Name: **Answer Key**

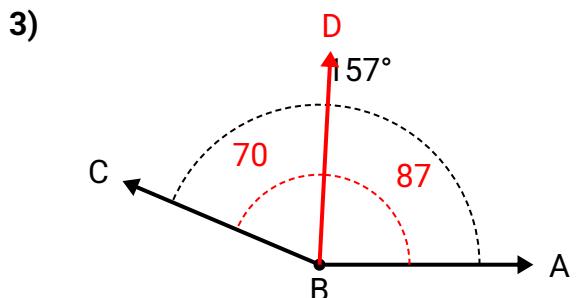
Solve each problem.



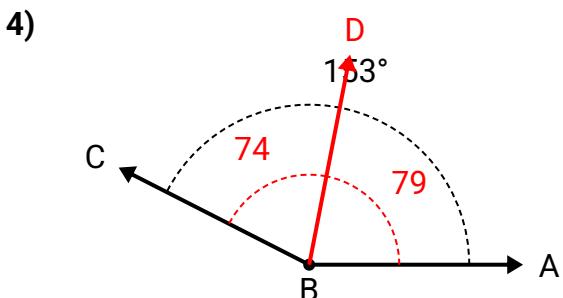
A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle ABD measuring 56 degrees.
 B. What is the measure of angle DBC?



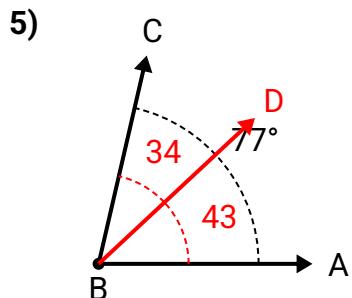
A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle ABD measuring 30 degrees.
 B. What is the measure of angle DBC?



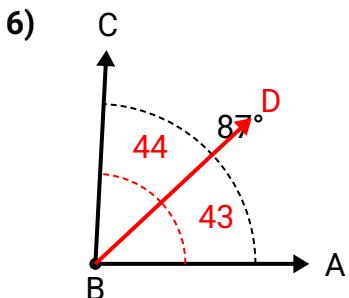
A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle ABD measuring 87 degrees.
 B. What is the measure of angle DBC?



A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle DBC measuring 74 degrees.
 B. What is the measure of angle ABD?



A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle DBC measuring 34 degrees.
 B. What is the measure of angle ABD?



A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle DBC measuring 44 degrees.
 B. What is the measure of angle ABD?

Answers

1. **45°**

2. **34°**

3. **70°**

4. **79°**

5. **43°**

6. **43°**