

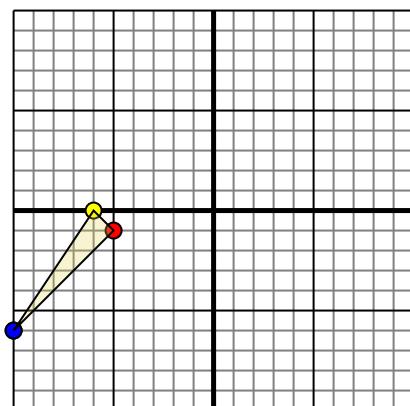


## Rotating on a Coordinate Plane

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

Rotate each shape as described.

1)

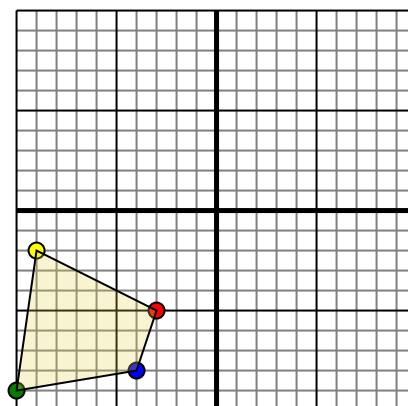


The shape above has the following coordinates:

- A.  $(-5, -1)$
- B.  $(-6, 0)$
- C.  $(-10, -6)$

Rotate the shape  $180^\circ$  counter-clockwise.

2)

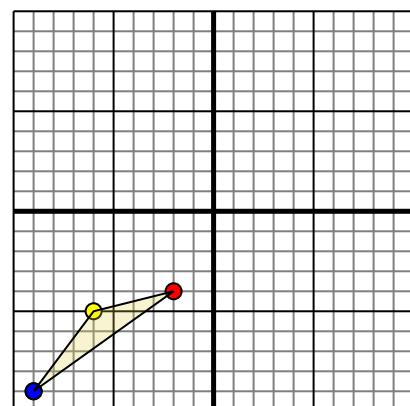


The shape above has the following coordinates:

- A.  $(-3, -5)$
- B.  $(-9, -2)$
- C.  $(-10, -9)$
- D.  $(-4, -8)$

Rotate the shape  $180^\circ$  counter-clockwise.

3)

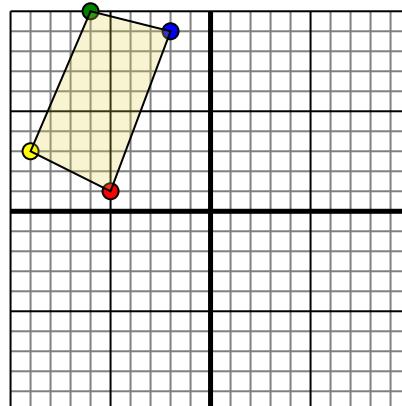


The shape above has the following coordinates:

- A.  $(-2, -4)$
- B.  $(-6, -5)$
- C.  $(-9, -9)$

Rotate the shape  $270^\circ$  clockwise.

4)



The shape above has the following coordinates:

- A.  $(-5, 1)$
- B.  $(-9, 3)$
- C.  $(-6, 10)$
- D.  $(-2, 9)$

Rotate the shape  $180^\circ$  counter-clockwise.

## Answers

- 1. \_\_\_\_\_ Graph
- 2. \_\_\_\_\_ Graph
- 3. \_\_\_\_\_ Graph
- 4. \_\_\_\_\_ Graph

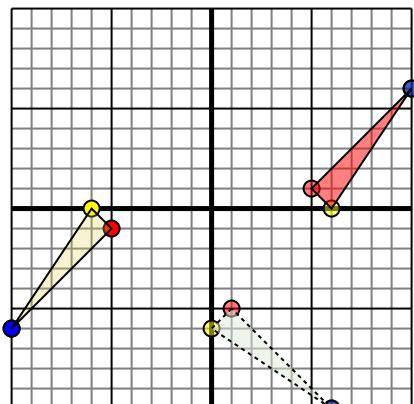


# Rotating on a Coordinate Plane

Name: **Answer Key**

Rotate each shape as described.

1)

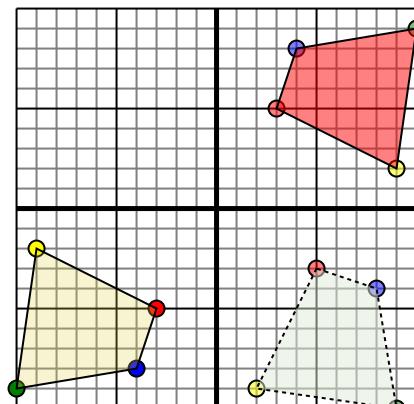


The shape above has the following coordinates:

- A.  $(-5, -1)$
- B.  $(-6, 0)$
- C.  $(-10, -6)$

Rotate the shape  $180^\circ$  counter-clockwise.

2)

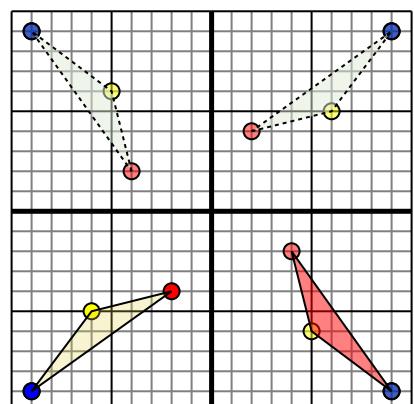


The shape above has the following coordinates:

- A.  $(-3, -5)$
- B.  $(-9, -2)$
- C.  $(-10, -9)$
- D.  $(-4, -8)$

Rotate the shape  $180^\circ$  counter-clockwise.

3)

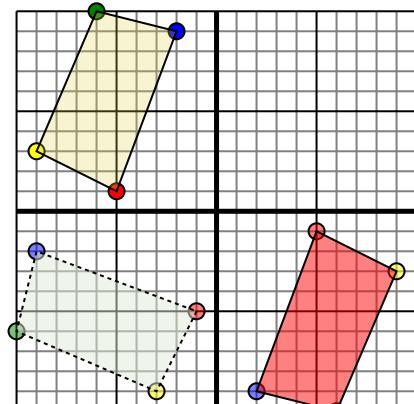


The shape above has the following coordinates:

- A.  $(-2, -4)$
- B.  $(-6, -5)$
- C.  $(-9, -9)$

Rotate the shape  $270^\circ$  clockwise.

4)



The shape above has the following coordinates:

- A.  $(-5, 1)$
- B.  $(-9, 3)$
- C.  $(-6, 10)$
- D.  $(-2, 9)$

Rotate the shape  $180^\circ$  counter-clockwise.

**Answers**

1. 5,1 6,0 10,6 Graph

2. 3,5 9,2 10,9 4,8 Graph

3. 4,-2 5,-6 9,-9 Graph

4. 5,-1 9,-3 6,-10 2,-9 Graph