Transformations - Reflection
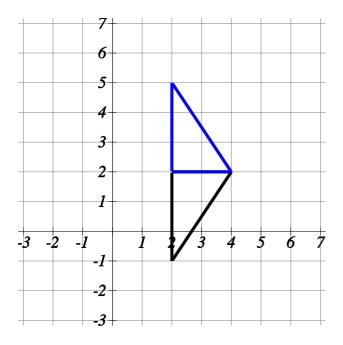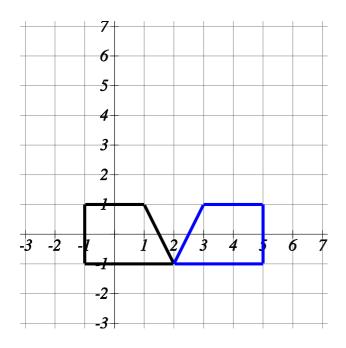
Name: Class: Date:

Mark   / 10   %
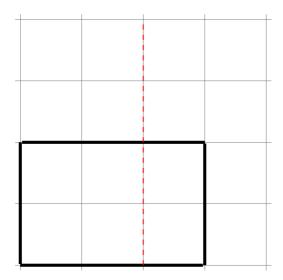
1) Draw the line of reflection that maps the object to its image in the diagram below

[1]

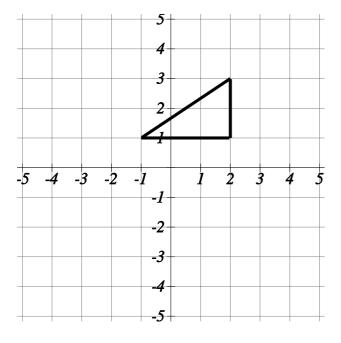**2)** Draw the line of reflection that maps the object to its image in the diagram below
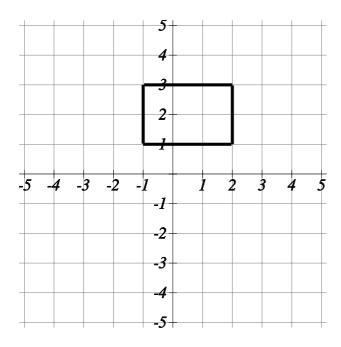

[1]

3) Reflect the shape in the dotted line.
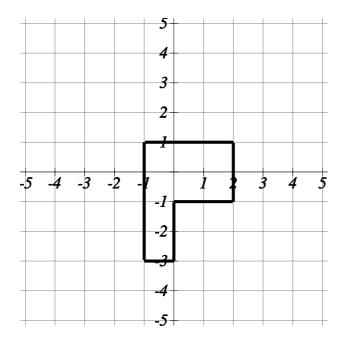
[1]

4) Reflect the shape in the line $y = -x$.

[1]

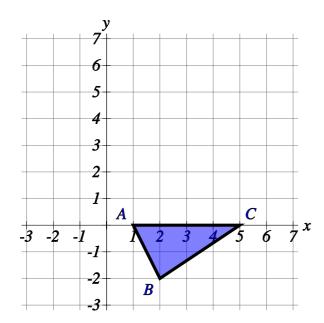**5)** Reflect the shape in the line $y = -x$.

[1]

6) Reflect the shape in the line $y = -x$.

[1]

7) Reflect the triangle ABC in the line y=2.   [1]
Give the coordinates of the image point B'

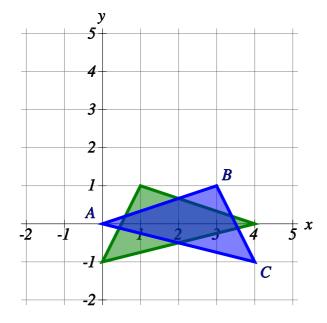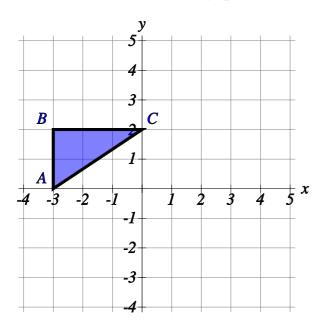**8)** Fully describe the single transformation from the triangle ABC to its image   [1]

9) Reflect the triangle ABC in the line y=2.   [1]
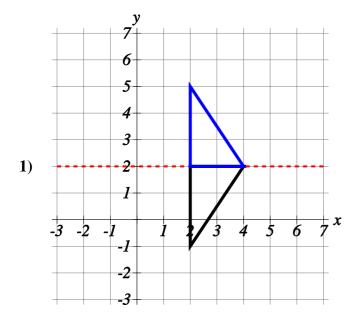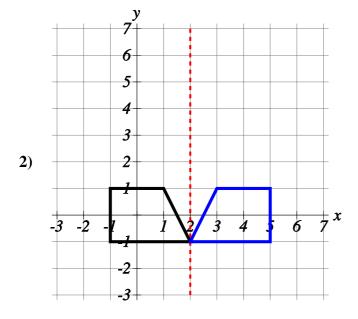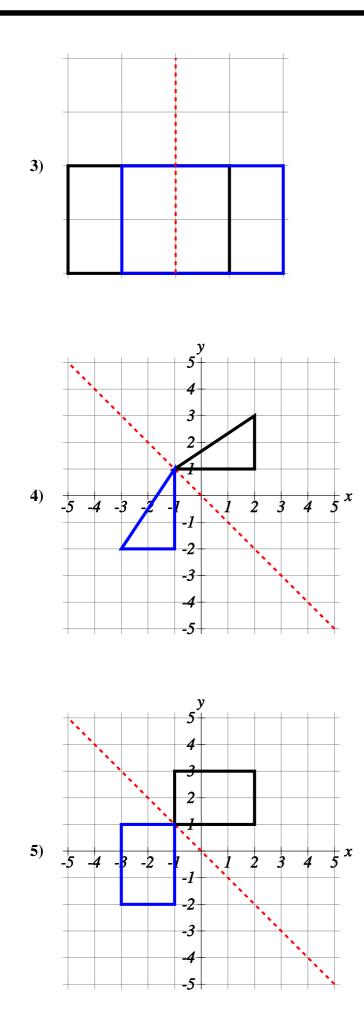Give the coordinates of the image point A'

10) Fully describe the single transformation from the triangle ABC to its image   [1]

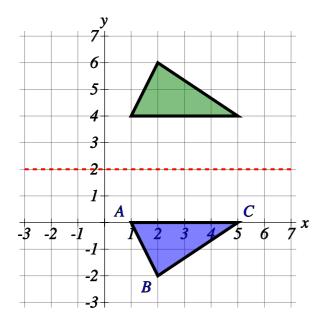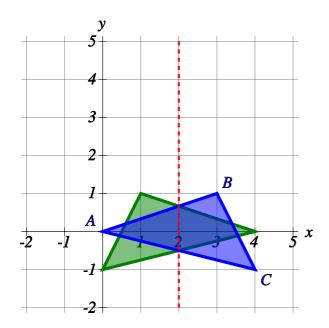**Solutions for the assessment Transformations - Reflection**

1)

2)

3)

4)

5)

6)

7)

Reflection in the line y=2 gives image point B' = (2,6)

8) reflection in $x = 2$

9)
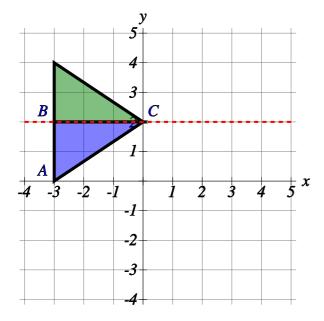
Reflection in the line y=2 gives image point A' = (-3,4)

10) reflection in $y = 0$