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Transformations Practice

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_

Use the ordered pairs to do the problems.

***Triangle ABC is located at A(-4, 2), B(1, 3), C(-3, 6).***

1. Transform triangle ABC by rotating it 180⁰ and then translating it 3 units left and 1 unit up. Write the ordered pairs.

2. Transform triangle ABC by reflecting it across the x axis and then dilating it by a scale factor of 2. Write the ordered pairs.

 3. Transform triangle ABC by rotating it 90⁰ clockwise and then dilating it by a scale factor of 3. Write the ordered pairs.

4. Transform triangle ABC by reflecting it across the y axis and then translating it 2 units right and 1 unit up. Write the ordered pairs.

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Transformations Practice

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_

Use the graph to do the problems.

1. Transform triangle ABC by rotating it 180⁰ and then translating it 3 units left and 2 unit up. Write the ordered pairs.

A’’(1,0), B’’(-4,-1), C’’(0,-4)

2. Transform triangle ABC by reflecting it across the x axis and then dilating it by a scale factor of 2. Write the ordered pairs.

A’’(-8,-4), B’’(2,-6), C’’(-6,-12)

3. Transform triangle ABC by rotating it 90⁰ clockwise and then dilating it by a scale factor of 3. Write the ordered pairs.

A’’(6, 12), B’’(9, -3), C’’(18, 9)

4. Transform triangle ABC by reflecting it across the y axis and then translating it 2 units right and 1 unit up. Write the ordered pairs.

A’’(6, 3), B’’(1, 4), C’’(5, 7)