

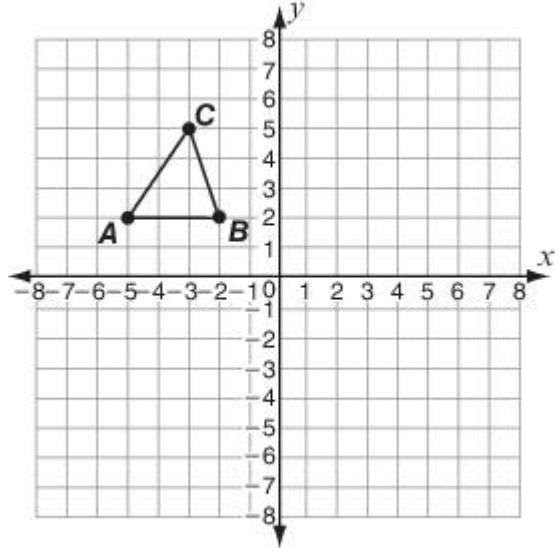
Directions: Please choose the best answer choice for each of the following questions.

1. Neema creates a pinwheel by transforming triangles about a square. What transformation did she perform to create the pinwheel?



- A. dilation
- B. reflection
- C. rotation
- D. translation

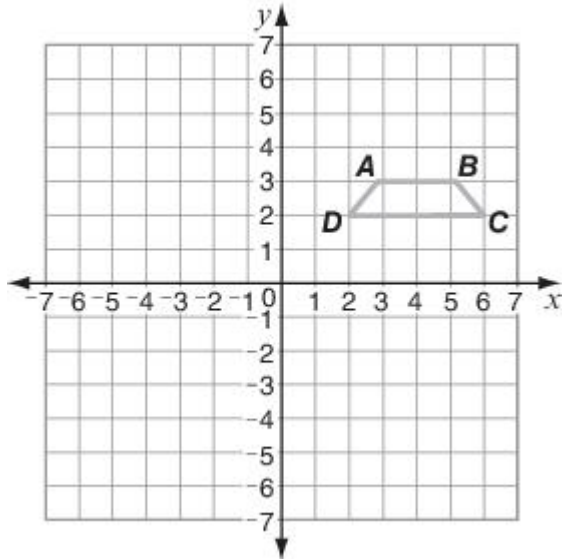
2. If we reflect figure ABC over the x -axis, what are the coordinates of the image at point C ?



- A. $(-3, 5)$
- B. $(-3, -5)$
- C. $(3, 5)$
- D. $(3, -5)$

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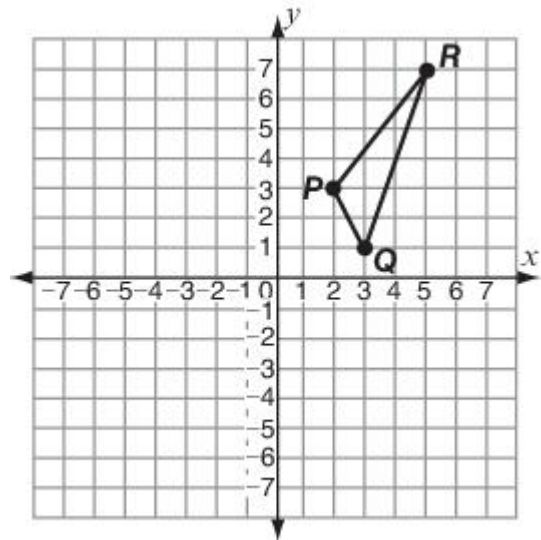
3. Quadrilateral $ABCD$ has the coordinates of $(3, 3)$, $(5, 3)$, $(6, 2)$, and $(2, 2)$. When 2 is subtracted from the x value of each coordinate pair and 3 is added to the y value of each coordinate pair, the resulting quadrilateral is $EFGH$.



Which statement is true?

- A. Quadrilateral $EFGH$ is 5 times larger than quadrilateral $ABCD$.
- B. Quadrilateral $EFGH$ is 3 times larger than quadrilateral $ABCD$.
- C. Quadrilateral $EFGH$ is one-half the size of quadrilateral $ABCD$.
- D. Quadrilateral $EFGH$ is congruent to quadrilateral $ABCD$.

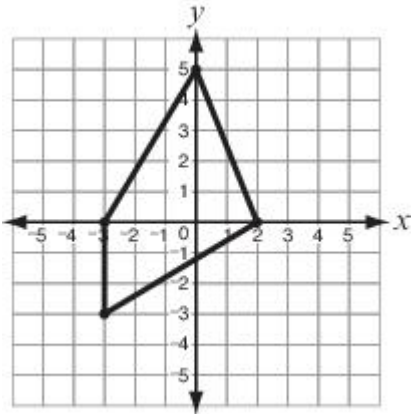
4. If we slide triangle PQR three units to the left and four units down, what will be the new coordinates of point Q ?



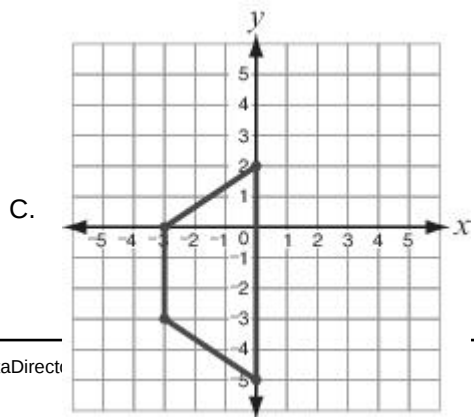
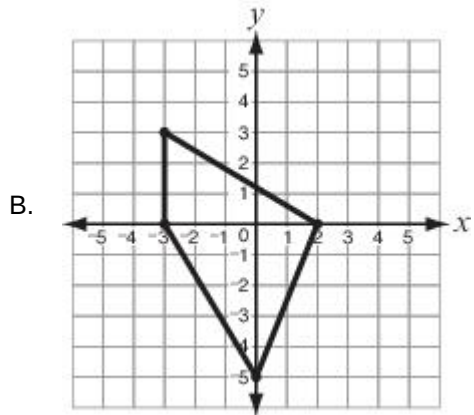
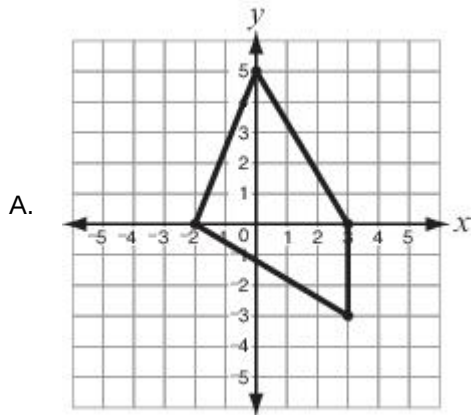
- A. $(0, -1)$
- B. $(0, -3)$
- C. $(-1, 0)$
- D. $(-3, 0)$

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5. Angela was shown this quadrilateral on a coordinate plane.



Angela drew a reflection of the quadrilateral across the x-axis. Which figure did she draw?



Stop! You have finished this exam.