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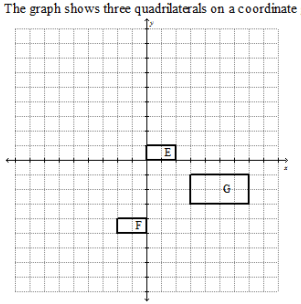
The graph shows three quadrilaterals on a coordinate grid:



Which statement is true about the images?

a. E and F are similar but not congruent.
b. F and G are similar and also congruent.
c. G and E are similar and also congruent.
d. E and F are similar and also congruent.

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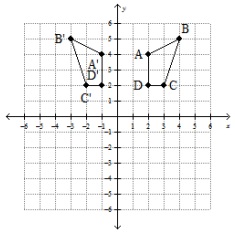
Figure ABCD is reflected about the *y*-axis followed by a translation to the right by 1 unit to create figure $A'B'C'D'$, as shown:



Which statement best describes the relationship between the two figures?

a. Figure ABCD is congruent to figure A'B'C'D'.
b. The measure of angle B is equal to the measure of angle A'.
c. Figure ABCD is bigger than figure A'B'C'D'.
d. The measure of angle D is equal to the measure of angle B'.

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Which sequence of transformations creates a similar, but not congruent, triangle when the scale factor is 3?

a. Reflection and rotation
b. Translation and reflection
c. Rotation and translation
d. Dilation and reflection

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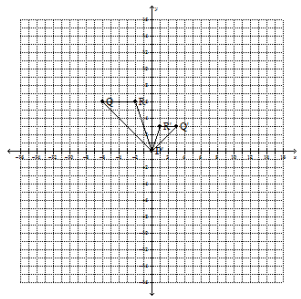
Triangle PQR is transformed to similar triangle P'Q'R'.



What transformation was performed on PQR to form P'Q'R'?

a. A dilation by a scale factor of $\frac{1}{4}$ followed by a reflection over the *x*-axis.
b. A dilation by a scale factor of $\frac{1}{2}$ followed by a reflection over the *y*-axis.
c. A dilation by a scale factor of 2 followed by a reflection over the *y*-axis.
d. A dilation by a scale factor of 1 followed by a reflection over the *x*-axis.

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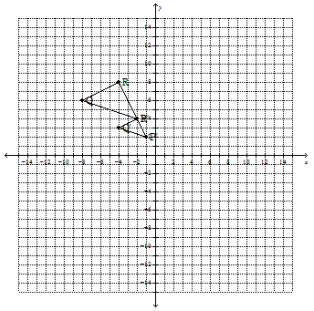
Triangle PQR is transformed to similar triangle P'Q'R'.



What transformation was performed on PQR to form P'Q'R'?

a. A dilation factor of 1
b. A dilation factor of $\frac{1}{2}$
c. A dilation factor of $\frac{1}{4}$
d. A dilation factor of 2

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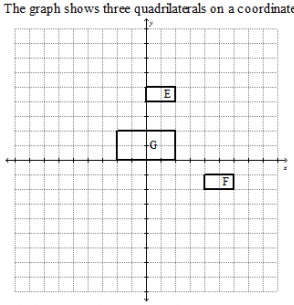
The graph shows three quadrilaterals on a coordinate grid:



Which statement is true about the images?

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b. E and F are similar but not congruent.
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d. G and E are similar and also congruent.

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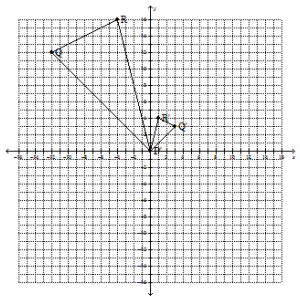
Triangle PQR is transformed to similar triangle P'Q'R'.



What transformation was performed on PQR to form P'Q'R'?

a. A dilation by a scale factor of 4 followed by a reflection over the *y*-axis.
b. A dilation by a scale factor of 3 followed by a reflection over the *x*-axis.
c. A dilation by a scale factor of $\frac{1}{5}$ followed by a reflection over the *x*-axis.
d. A dilation by a scale factor of $\frac{1}{4}$ followed by a reflection over the *y*-axis.

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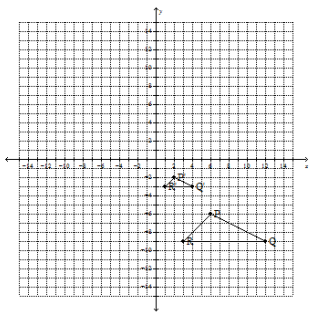
Triangle PQR is transformed to similar triangle P'Q'R'.



What transformation was performed on PQR to form P'Q'R'?

a. A dilation factor of $\frac{1}{5}$
b. A dilation factor of $\frac{1}{3}$
c. A dilation factor of 4
d. A dilation factor of 3