

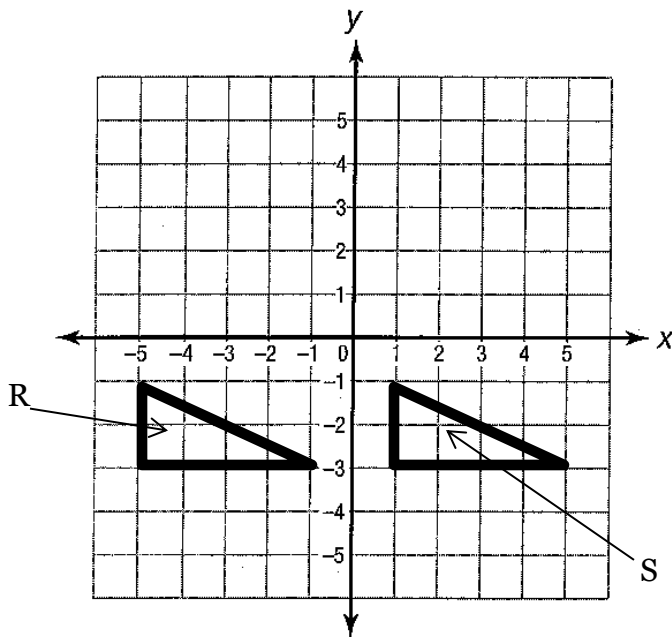
Topic No. 09

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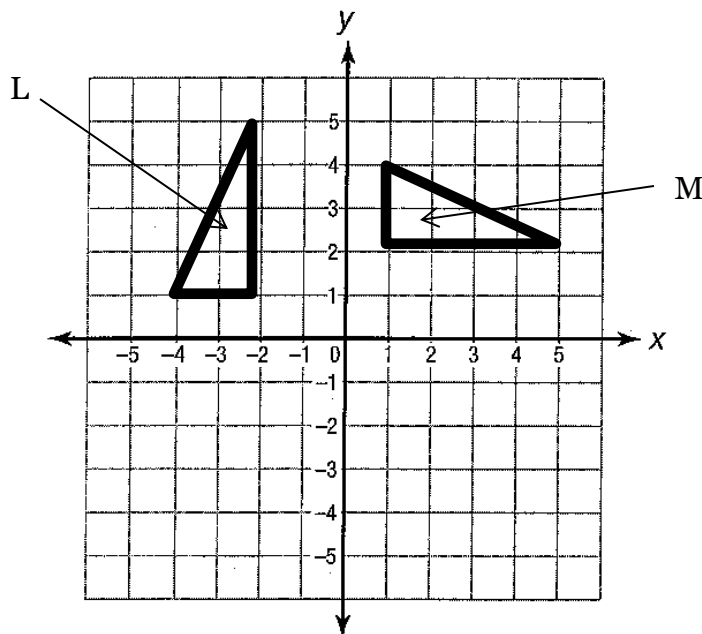
#1

1. What transformations will make figure R become figure S?



- (a) Translation to the right 2 spaces.
- (b) Translation to the right 6 spaces.
- (c) Rotation clockwise 90 degrees.
- (d) Reflection over the y-axis.

2. What transformations will make figure L become figure M?



- (a) Translation to the right 3 spaces.
- (b) Rotation clockwise 180 degrees.
- (c) Rotation clockwise 90 degrees.
- (d) Reflection over the y-axis.

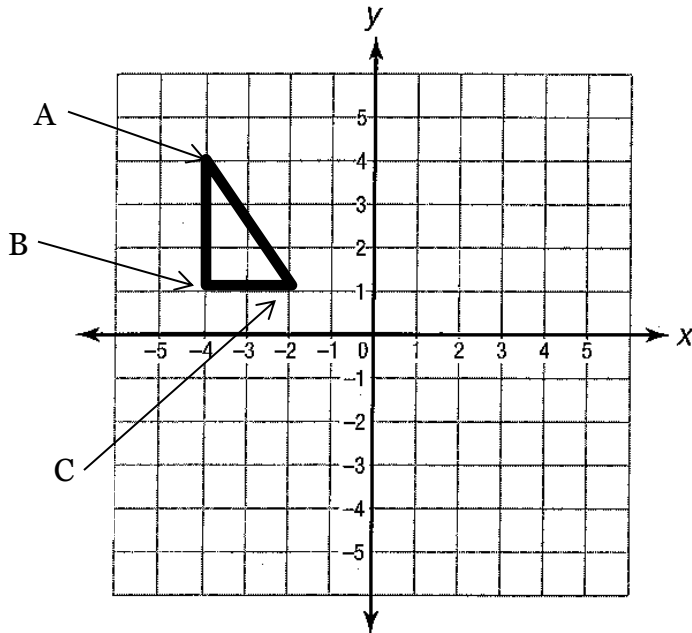
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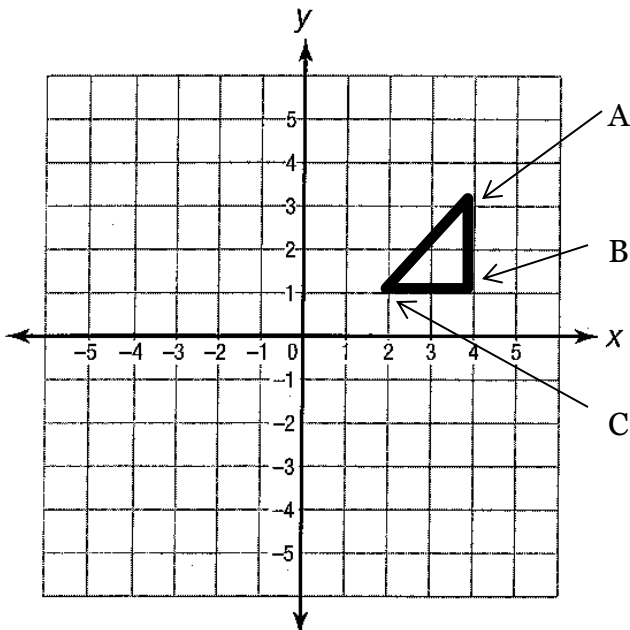
#1

3. If figure ABC is translated to the right 6 spaces, what is A'?



- (a) (4, 2)
- (b) (4, 4)
- (c) (2, 4)
- (d) (2, 2)

4. If figure ABC is reflected over the y-axis, what is A'?



- (a) (4, -3)
- (b) (-3, 4)
- (c) (-4, 3)
- (d) (3, -4)

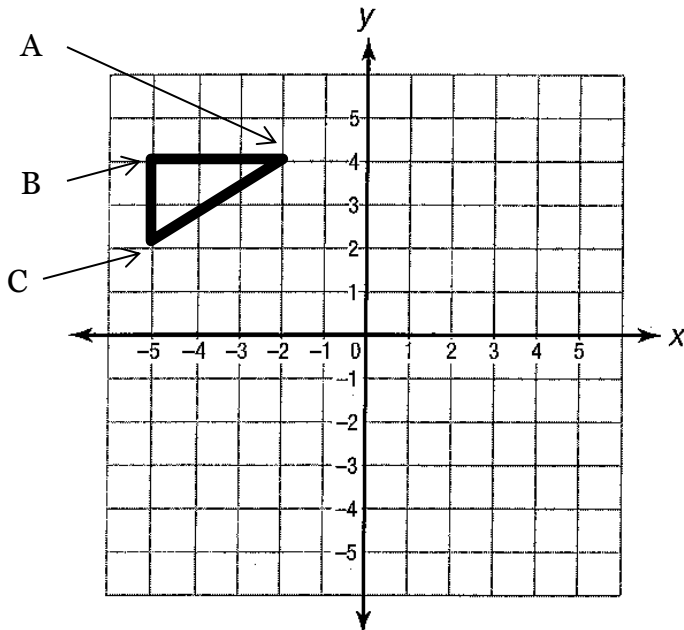
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#1

5. If figure ABC is rotated clockwise 90 degrees, what is A'?



- (a) (4, 2)
- (b) (4, 4)
- (c) (2, 4)
- (d) (2, 2)

6. Rectangle R undergoes a translation 6 space to the left, and then a reflection over the x-axis. The resulting image is Rectangle S. Which statement about Rectangles R and S is true?

- (a) They are congruent and similar.
- (b) They are similar but not congruent.
- (c) They are congruent but not similar.
- (d) They are neither congruent nor similar.