

Geometric Transformations #2

1.

Which of these terms means reflection?

- flip
 - turn
 - grow/shrink
 - slide
-

2.

Which of these terms means translation

- flip
 - turn
 - slide
 - grow/shrink
-

3.

Which of these terms means rotation?

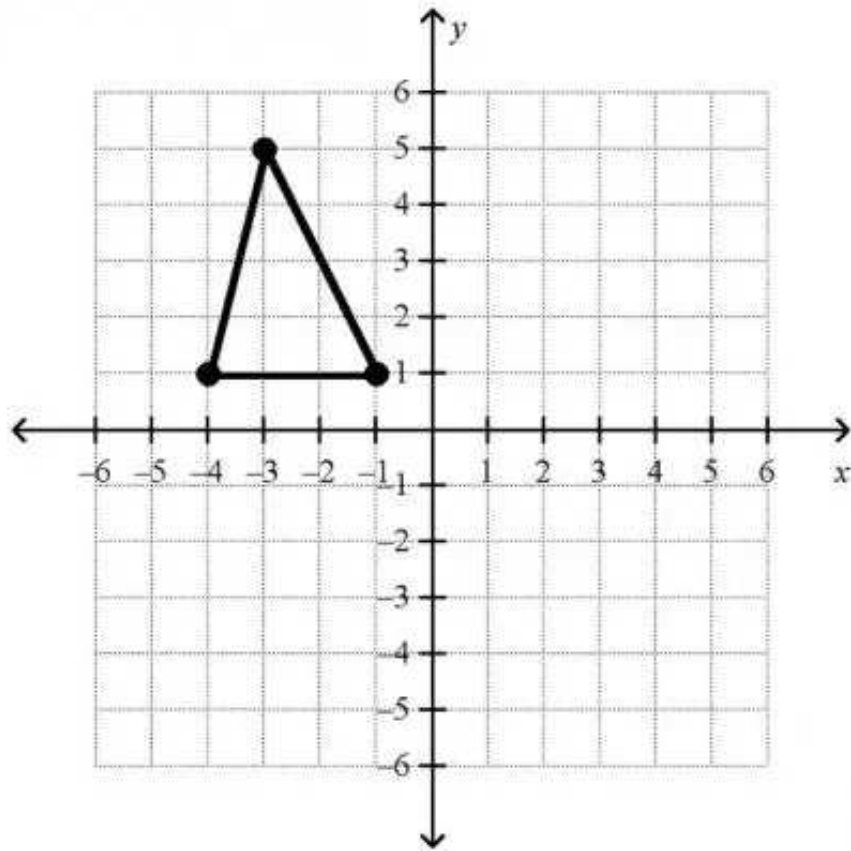
- grow/shrink
 - turn
 - flip
 - slide
-

4.

Which of these terms means dilation

- turn
 - slide
 - flip
 - grow/shrink
-

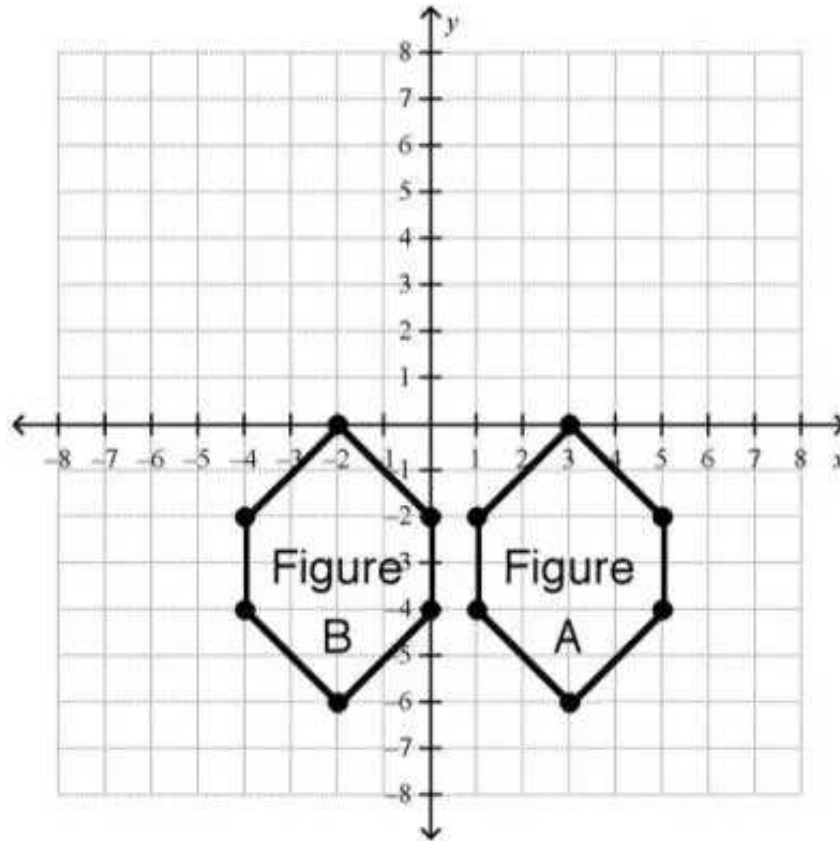
5.



If you reflect the triangle in the x-axis, what will be the new coordinates of the vertices of the triangle?

- $(-1, 1), (-3, 5), (-4, 1)$
 - $(-1, -1), (-3, -5), (-4, -1)$
 - $(-1, 1), (-3, 5), (-4, -1)$
 - $(-1, -1), (-3, -5), (-4, 1)$
-

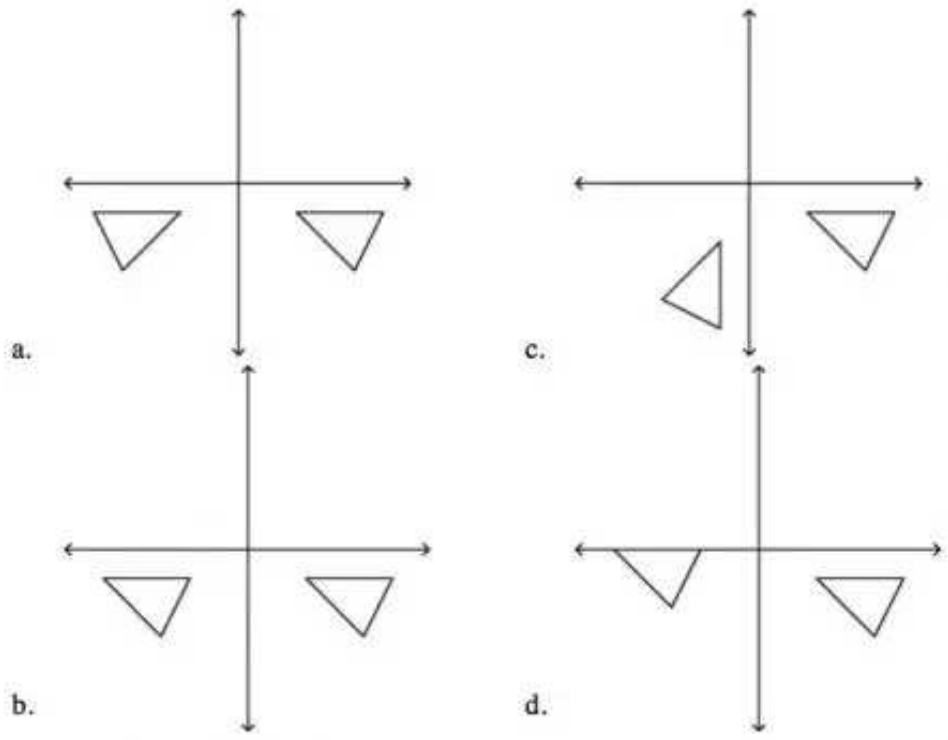
6.



Daniel drew the two figures on the coordinate plane. Which transformation did Daniel apply to Figure A to get Figure B?

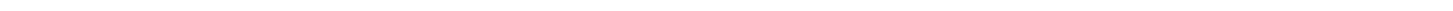
- reflected in the y-axis
 - rotated by 90°
 - translated 5 units to the left
 - dilated by 5
-

7.

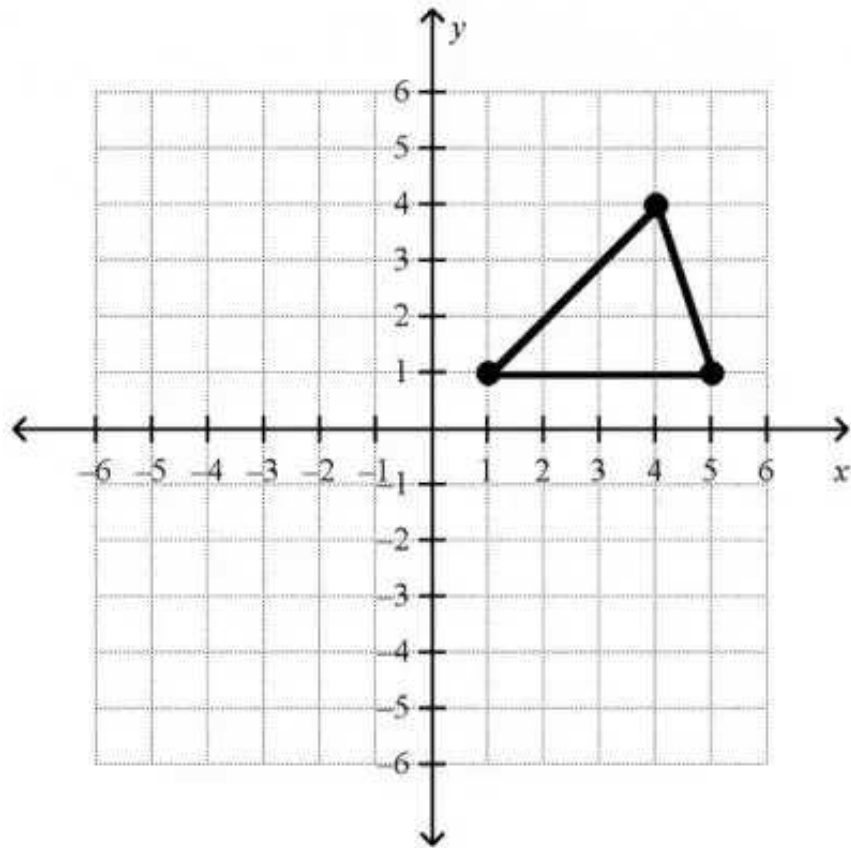


Which figure shows a reflection?

- a
- c
- b
- d



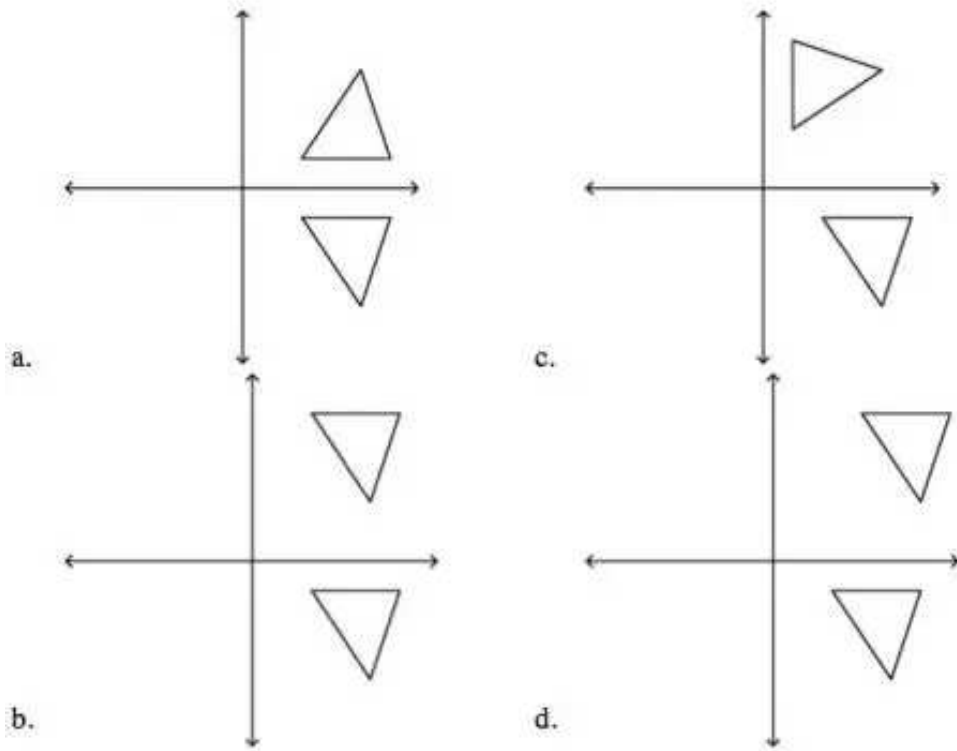
8.



If you reflect the triangle in the y-axis, what will be the new coordinates of the vertices of the triangle?

- $(-1, 1), (4, 4), (-5, 1)$
 - $(-1, 1), (-4, 4), (5, 1)$
 - $(-1, 1), (-4, 4), (-5, 1)$
 - $(1, 1), (4, 4), (5, 1)$
-

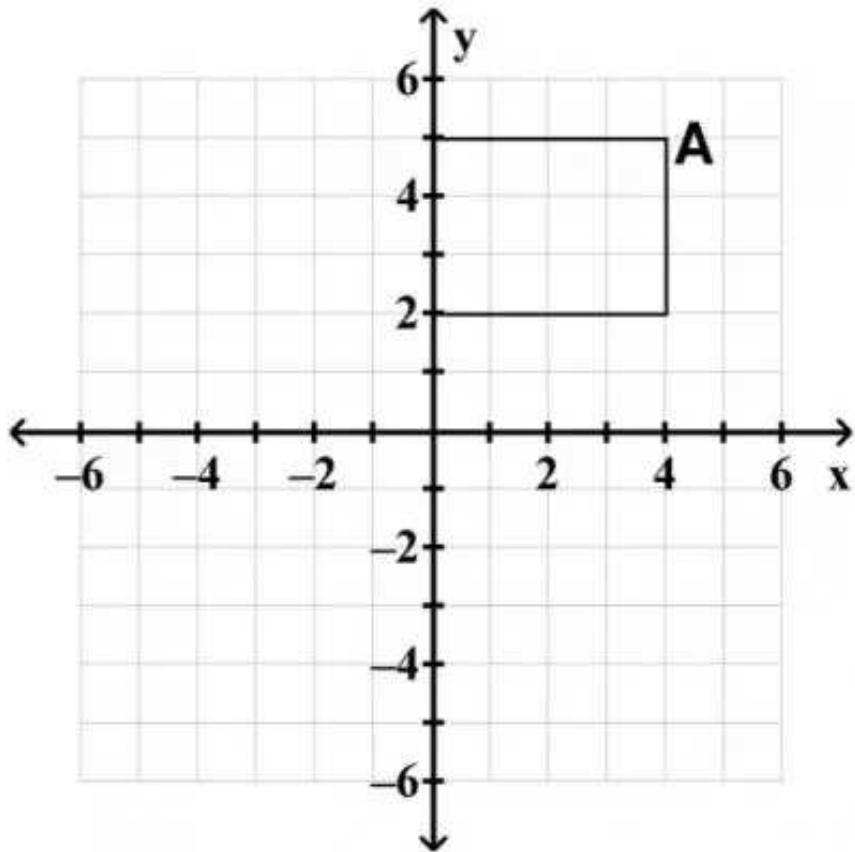
9.



Which figure shows a reflection?

- d
 - b
 - a
 - c
-

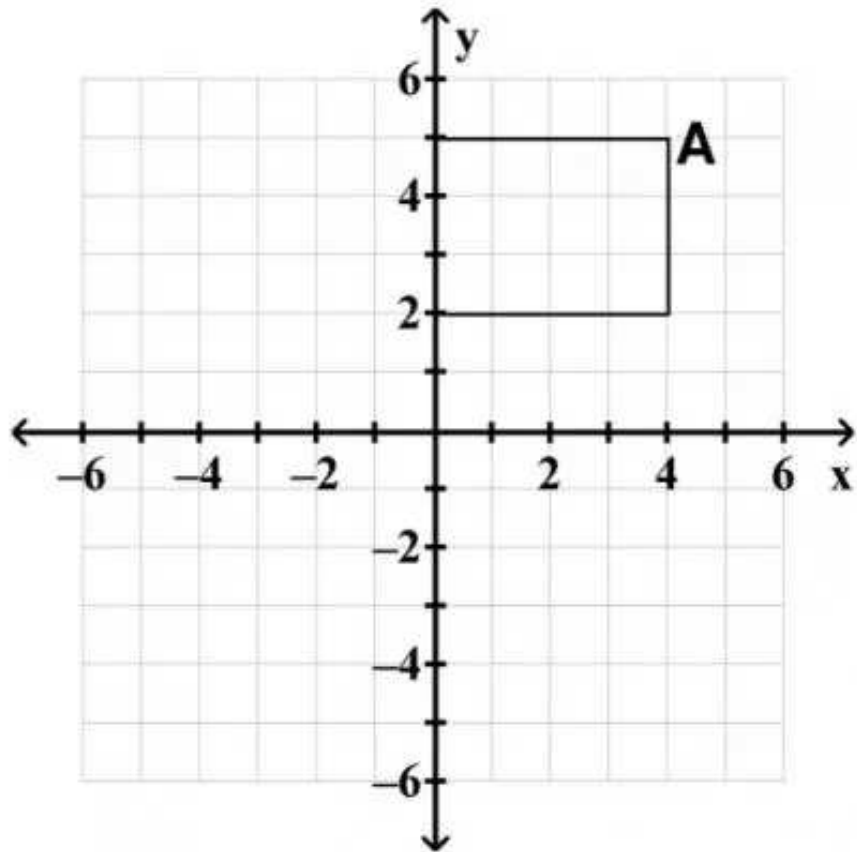
10.



If you rotate the figure 90 degrees clockwise about the origin, what will be the coordinates of the point A'?

- (5, -4)
 - (-4, 5)
 - (-5, 4)
 - (4, -5)
-

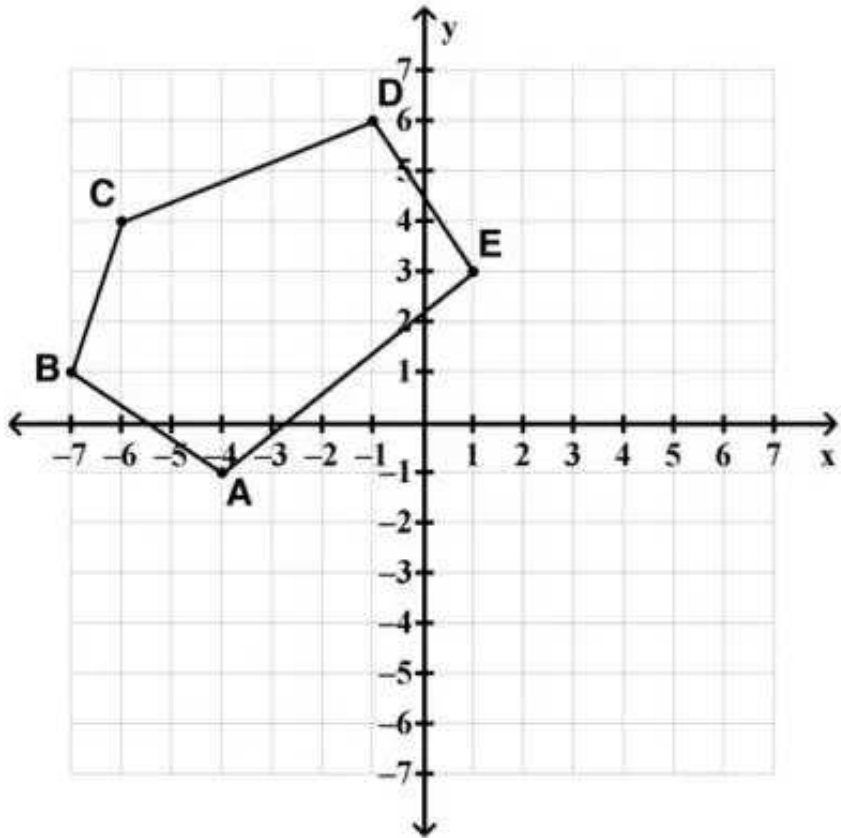
11.



If you rotate the figure 180 degrees clockwise about the origin, what will be the coordinates of the point A'?

- (-4, 5)
 - (-5, -4)
 - (-4, -5)
 - (4, -5)
-

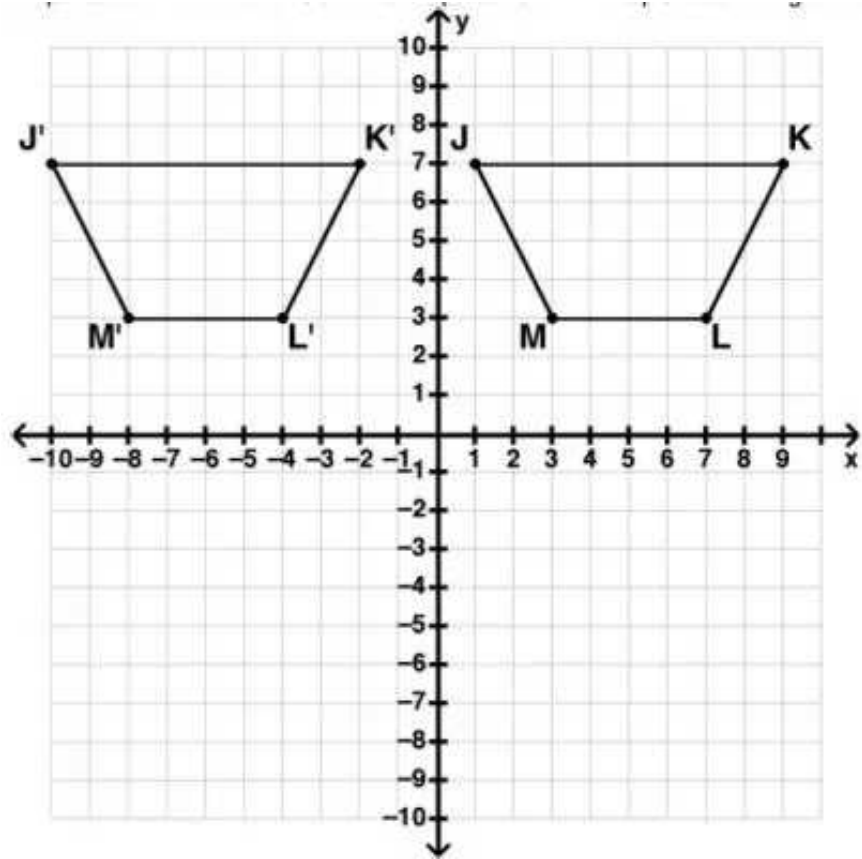
12.



If you draw a translation of pentagon ABCDE 6 units down, what are the coordinates for point A?

- (-4, -7)
 - (-4, 5)
 - (2, -1)
 - (-10, -1)
-

13.



Name the transformation that was applied to trapezoid JKLM to get trapezoid J'K'L'M'.

- translation
- rotation
- dilation
- reflection