



Translations, Reflections & Rotations

Translating Shapes Moving a shape to a new position EXAMPLE: Translating by (1,1) moves a shape 1 unit right and 1 unit up.	
Reflecting Shapes Mirroring a shape EXAMPLE: Reflecting a shape horizontally is shown on the right.	
Rotating Shapes Turning a shape around a point EXAMPLE: Rotating a shape by 180° is shown on the right.	

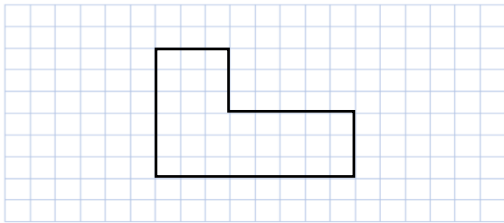
Instructions: Complete the questions below.

1	Translate the shape below by (-3, -3)
2	Translate the shape below by (4, 1)



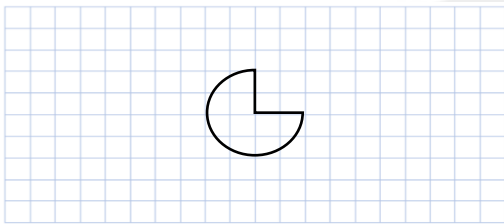
3

Reflect the shape below horizontally



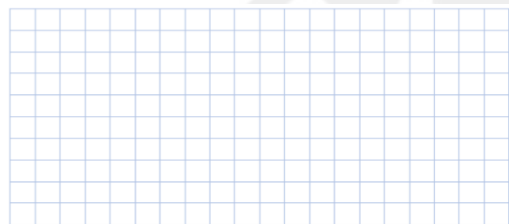
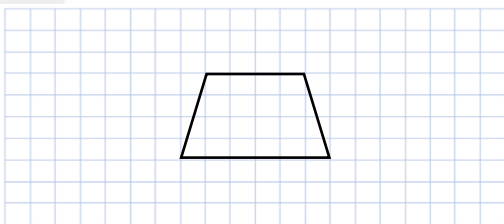
4

Reflect the shape below vertically



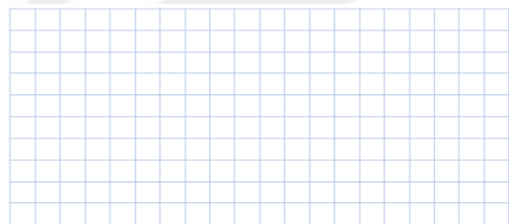
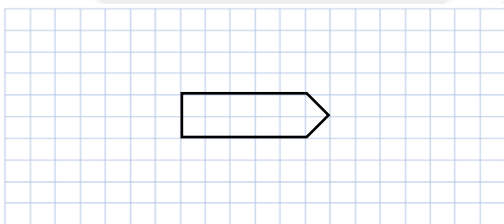
5

Rotate the shape below clockwise by 90°



6

Rotate the shape below anticlockwise by 180°



7

Rotate the shape below clockwise by 270°

