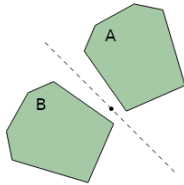




Describe transformations on a coordinate plane

1

Is the transformation of shape A into shape B a Translation?

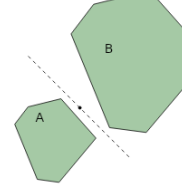


A Translation

B Not a Translation

2

Is the transformation of shape A into shape B a Reflection?

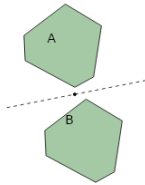


A Not a Reflection

B Reflection

3

Identify the transformation that changes shape A into shape B



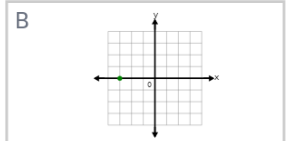
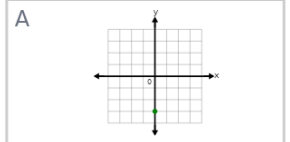
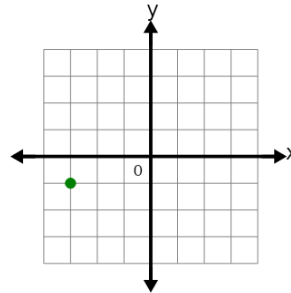
A Rotation

B Reflection

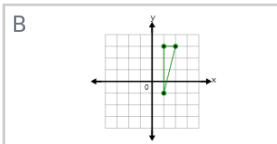
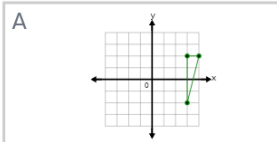
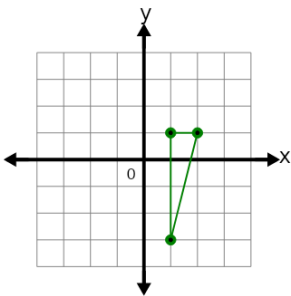
C Translation

4

Translate this point by up 1

**5**

Translate this shape by up 2

**6**

Find the direction that the given move between (x,y) coordinates A and B would be

Point A : (2,0)

Point B : (2,1)

A Up 1

B Right 1

C Left 1

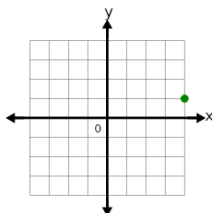
D Up 2

E Down 1

F Left 1, Up 1

7

Translate this point by left 2



A (-2,1)

B (2,1)

8

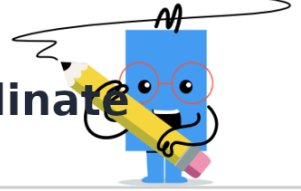
(-2,-2)

A

(0,-2)

B

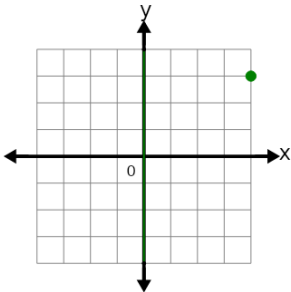
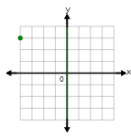
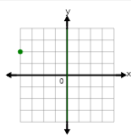
(-0,2)



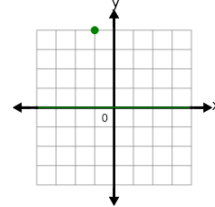
Describe transformations on a coordinate plane

9

Reflect this point across the Y axis

**A****B****10**

Reflect this point across the X axis

**A**

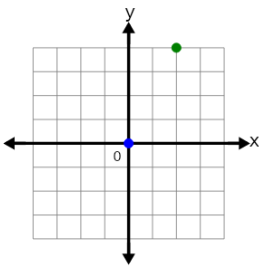
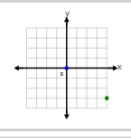
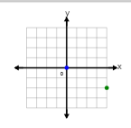
(-1, -4)

B

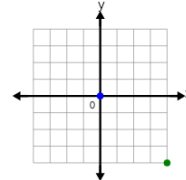
(-1, 4)

11

Rotate this point by 90° clockwise about the origin

**A****B****12**

Rotate this point by 90° counter-clockwise about the origin

**A**

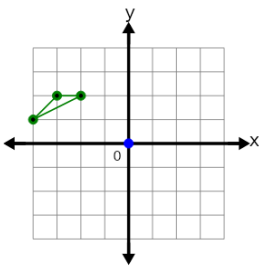
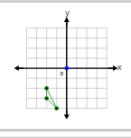
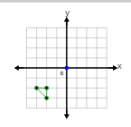
(4, 4)

B

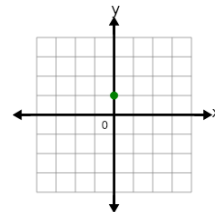
(4, -4)

13

Rotate this shape by 90° counter-clockwise about the origin

**A****B****14**

Translate this point by left 2

**A**

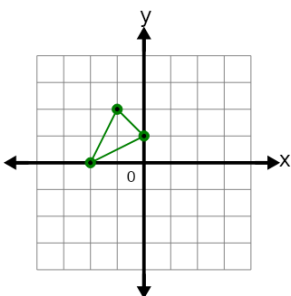
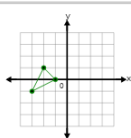
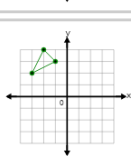
(-2, 1)

B

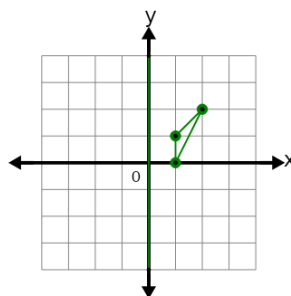
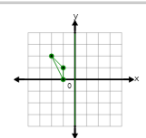
(1, 2)

15

Translate this shape by left 1, down 1

**A****B****16**

Reflect this shape across the Y axis

**A****B**