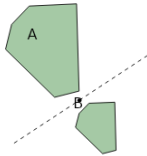




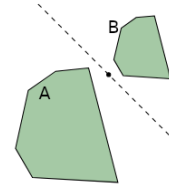
Perform sequences of transformations

- 1** Identify the transformation that changes shape A into shape B



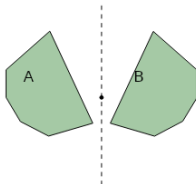
A Deviation	B Delegation	C Dictation
D Donation	E Duration	F Dilation

- 2** Is the transformation of shape A into shape B a Translation?



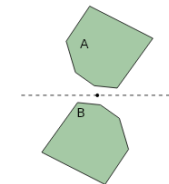
A Translation	B Not a Translation
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- 3** Is the transformation of shape A into shape B a Reflection?



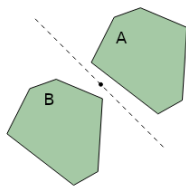
A Not a Reflection	B Reflection
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- 4** Is the transformation of shape A into shape B a Rotation?



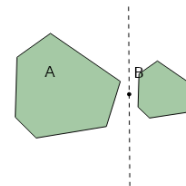
A Rotation	B Not a Rotation
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- 5** Is the transformation of shape A into shape B a Dilation?



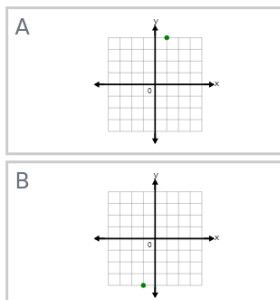
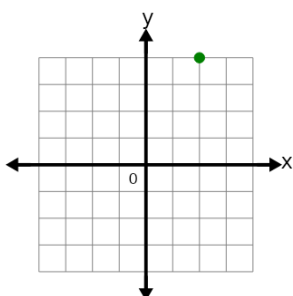
A Dilation	B Not a Dilation
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- 6** Identify the transformation that changes shape A into shape B

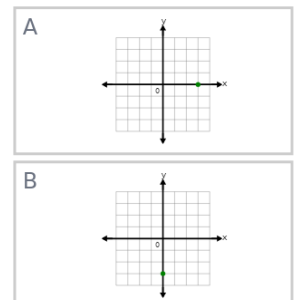
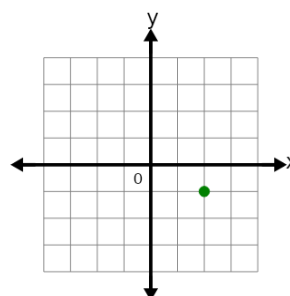


A Reflection	B Dilation	C Rotation	D Translation
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- 7** Translate this point by left 1



- 8** Translate this point by left 2, down 2

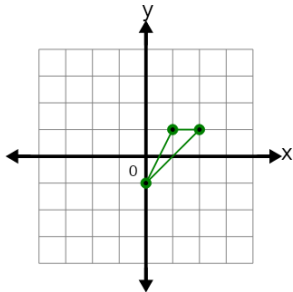




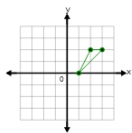
Perform sequences of transformations

9

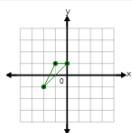
Translate this shape by left 2



A

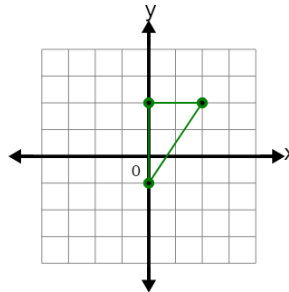


B

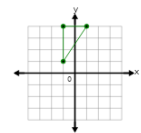


10

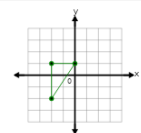
Translate this shape by left 2, down 1



A



B



11

(3,1)

A

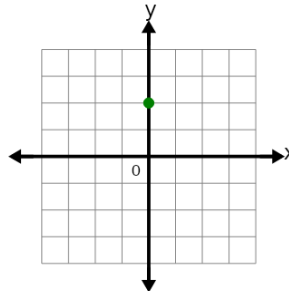
(-1,4)

B

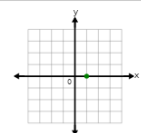
(4,1)

12

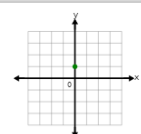
Translate this point by (0,-1)



A

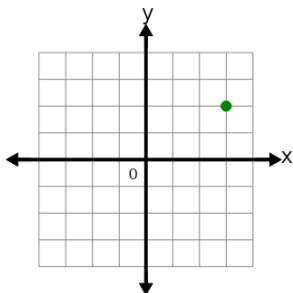


B

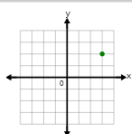


13

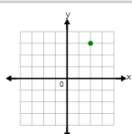
Translate this point by (-1,1)



A

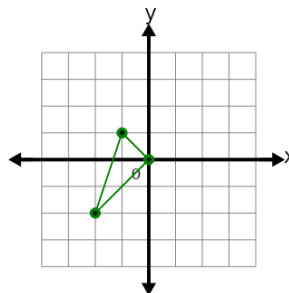


B

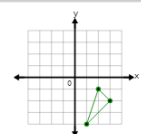


14

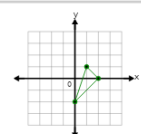
Translate this shape by (2,0)



A

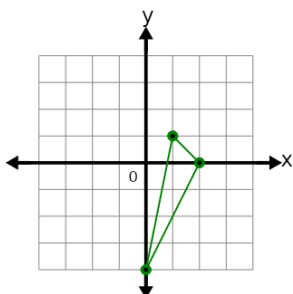


B

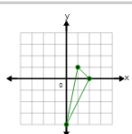


15

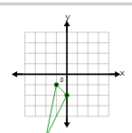
Translate this shape by (-2,-2)



A

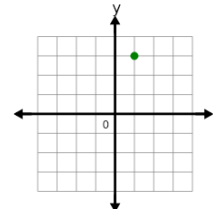


B



16

Translate this point by left 2, down 1



A

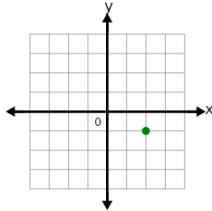
(-2,-1)

B

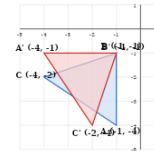
(-1,2)



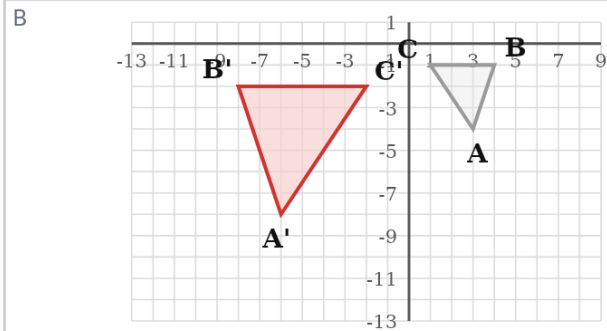
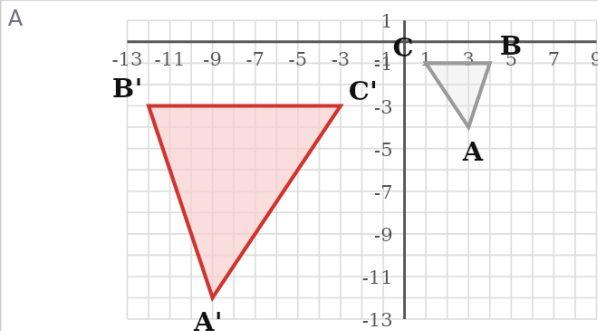
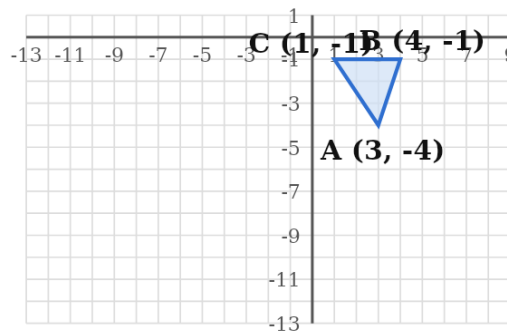
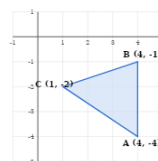
Perform sequences of transformations

17Translate this point by $(-1, 1)$ A $(-0, 1)$ B $(1, 0)$ **18**

The triangle ABC (blue) is transformed onto triangle A'B'C' (red) by two transformations applied in sequence. Which pair of transformations was used?

A Rotate 270° clockwise about the origin, then reflect across the y-axis.B Rotate 90° clockwise about the origin, then reflect across the y-axis.C Reflect across the y-axis, then rotate 270° clockwise about the origin.D Rotate 270° clockwise about the origin, then reflect across the line $y = x$.**19**

The triangle ABC is transformed by two transformations in sequence: (1) reflect across the y-axis; then (2) dilate by a scale factor of 2 about the origin. Which grid shows the final image?

**20**The triangle ABC is transformed by two transformations in sequence: (1) rotate 90° counter-clockwise about the origin; then (2) dilate by a scale factor of 2 about the origin. Is the final image congruent or similar to triangle ABC?

A Congruent

B Similar