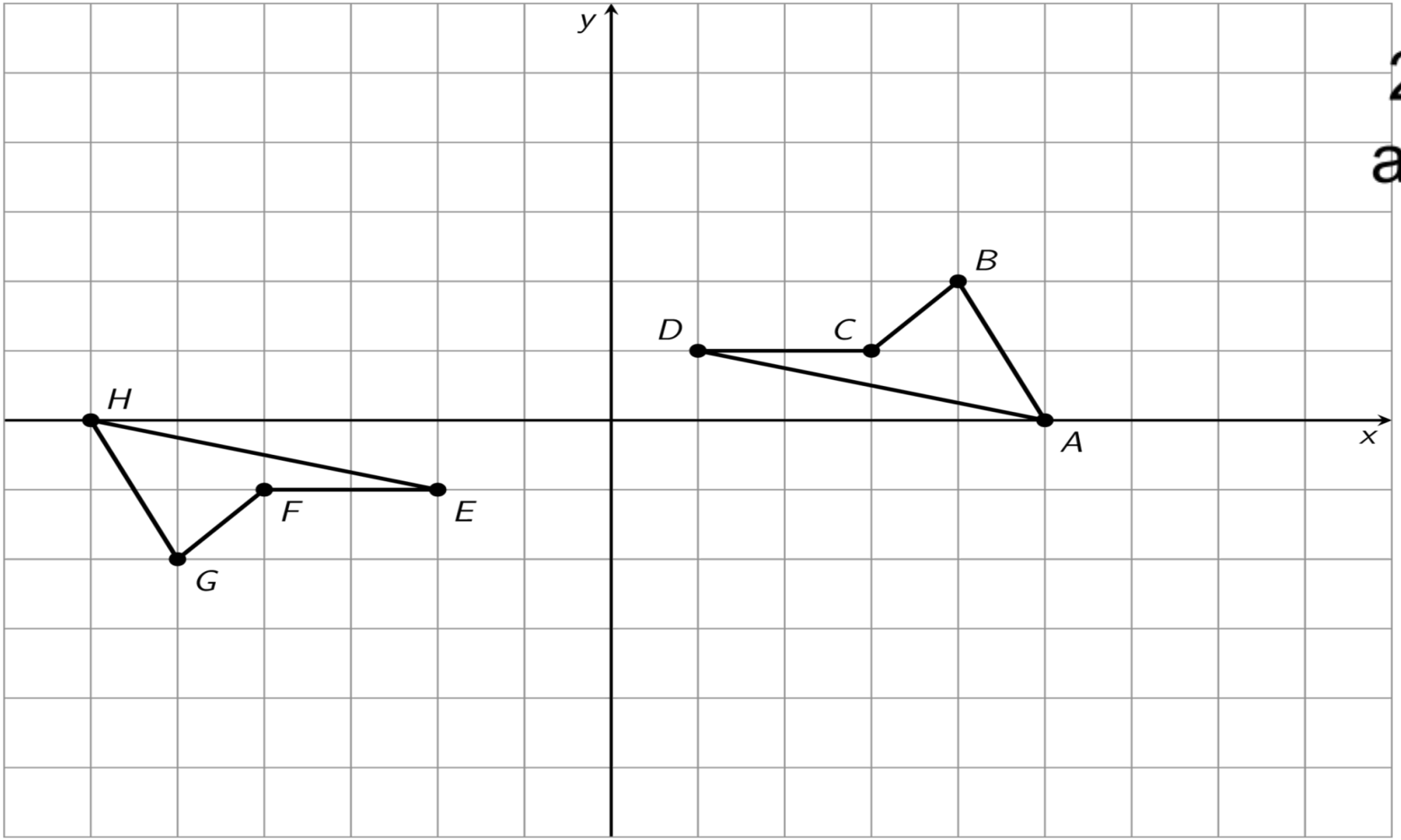
2 Truths and a Lie



1. Describe a set of transformations that maps ABCD onto HGFE.

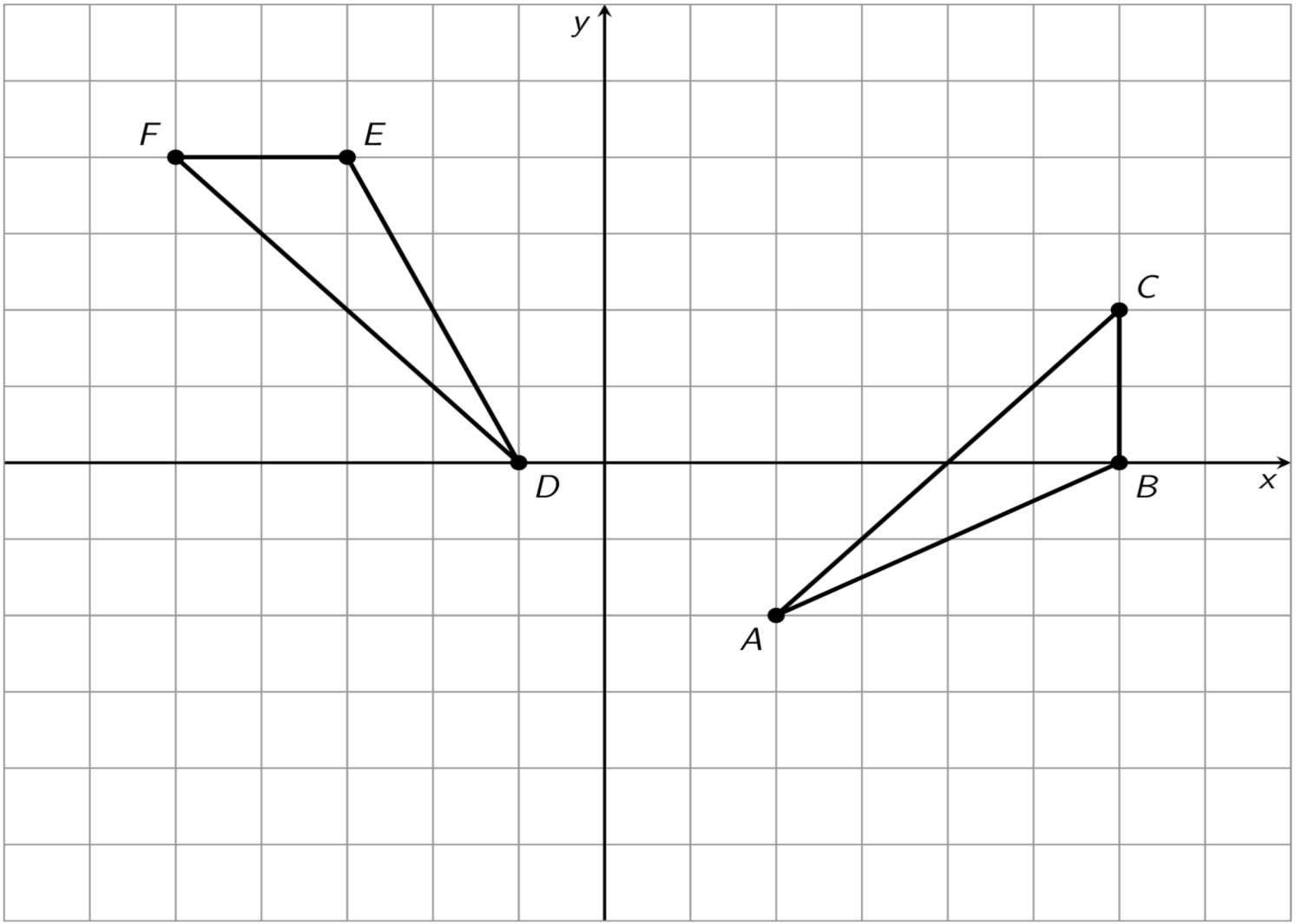
A. Rotate shape 180 degrees about the origin. Then, Translate (x,y)->(x – 1, y + 0)

B. Rotate 90 degrees Counter clockwise about the origin. Then, translate (x,y)->(x – 3, y - 2)

C. Translate (x,y)->(x - 3, y - 2). Then rotate 180 degrees about point D.

2. Describe a set of transformations that maps ABC onto DEF.

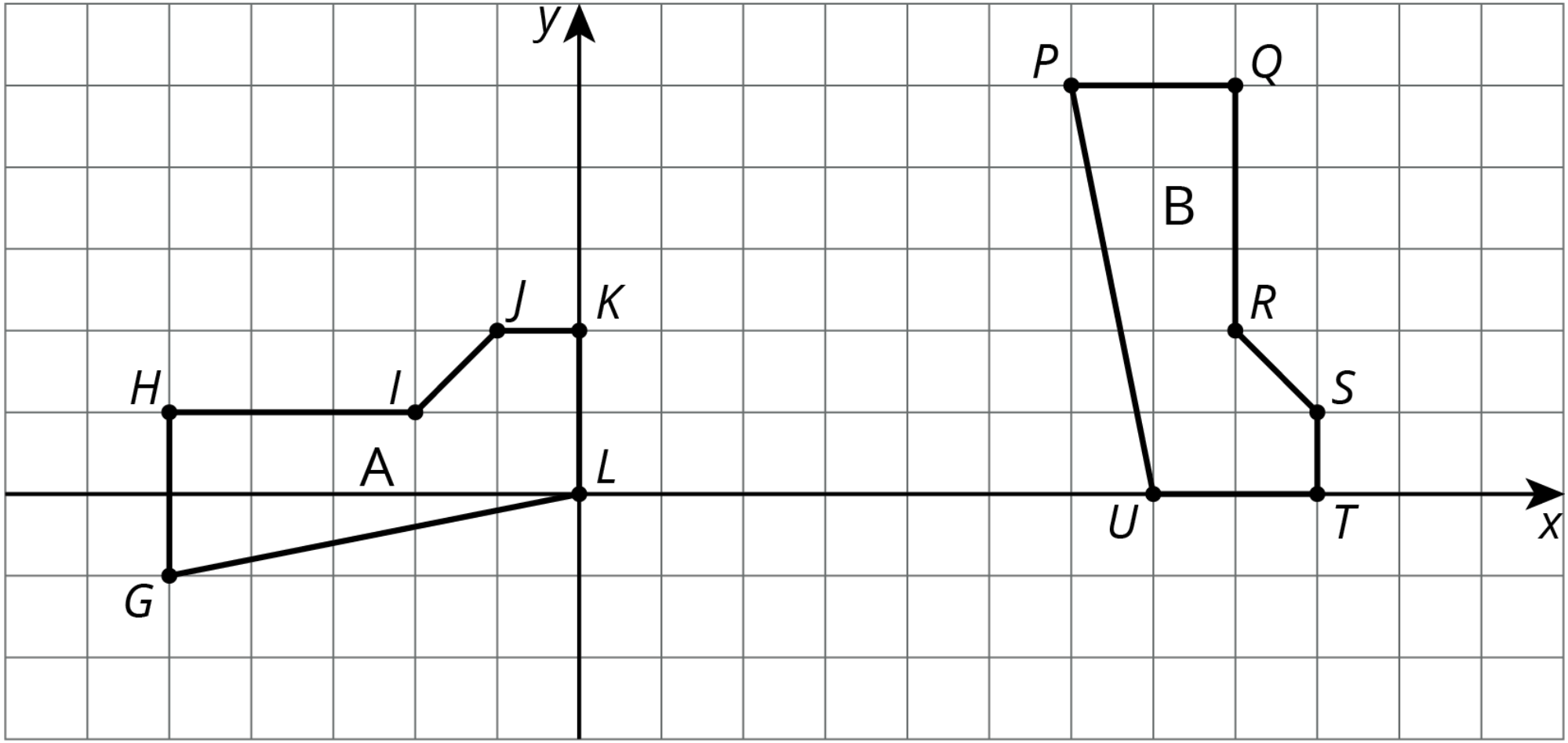
2 Truths and a Lie



A. Rotate 90 degrees Counter clockwise about the origin. Then, translate (x,y)->(x – 3, y - 2)

B. Translate (x,y)->(x - 3, y + 2). Then Rotate 90 degrees counter clockwise about point A.

C. Rotate 90 degrees clockwise about the origin. Then translate (x,y)->(x – 3, y - 2)



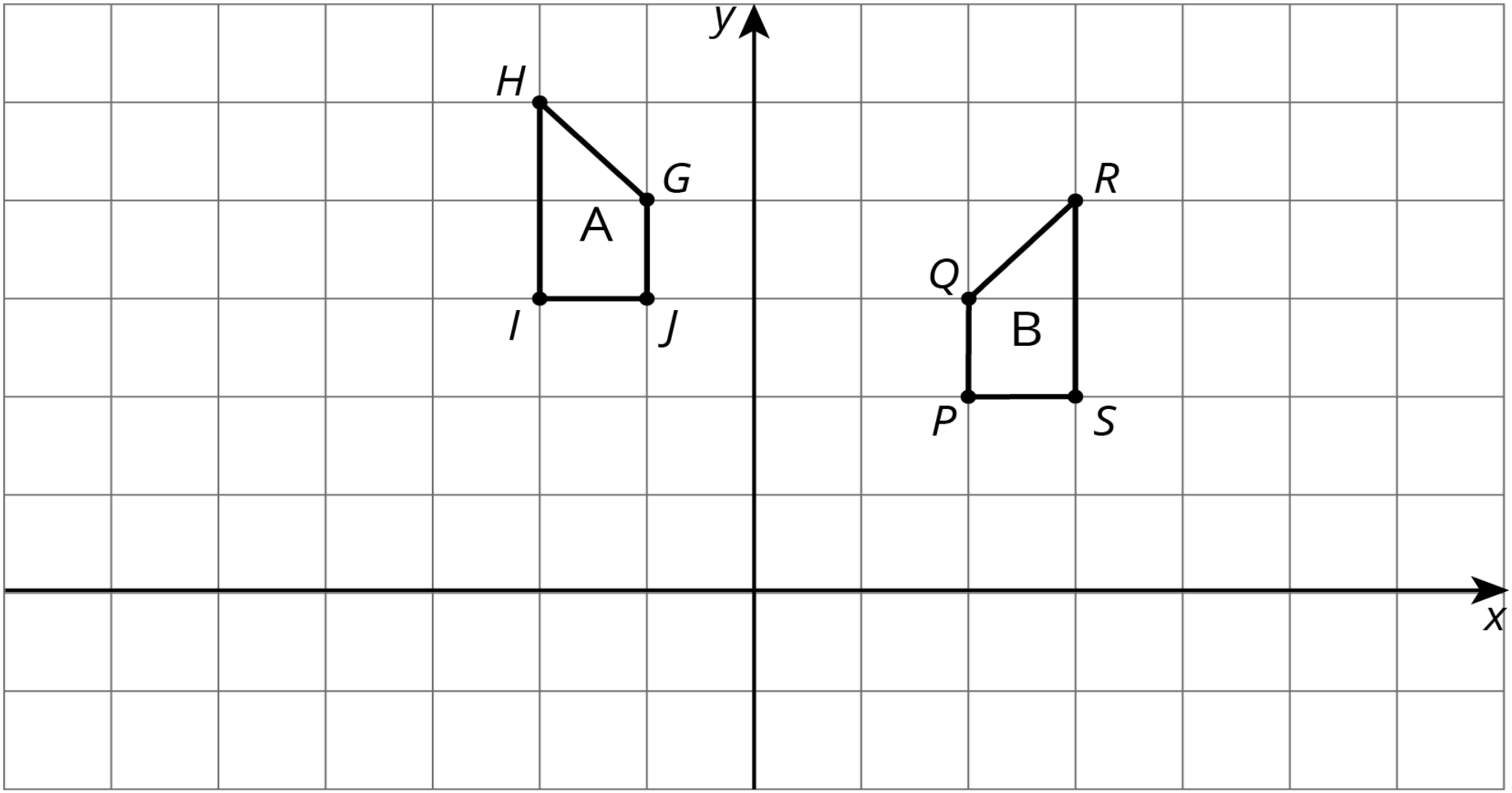
3. **Describe a set of transformations that maps figure A to figure B.**

2 Truths and a Lie

A. Rotate 90 degrees Clockwise about the origin. Then, Translate (x,y) ->(x+7, y+0)

B. Translate (x,y)->(x + 7, y +0). Then rotate 270 degrees counter clockwise about point L.

C. Translate (x,y)->(x - 3, y + 2). Then Rotate 90 degrees counter clockwise about point A.



4. **Describe a set of transformations that maps figure A to Figure B.**

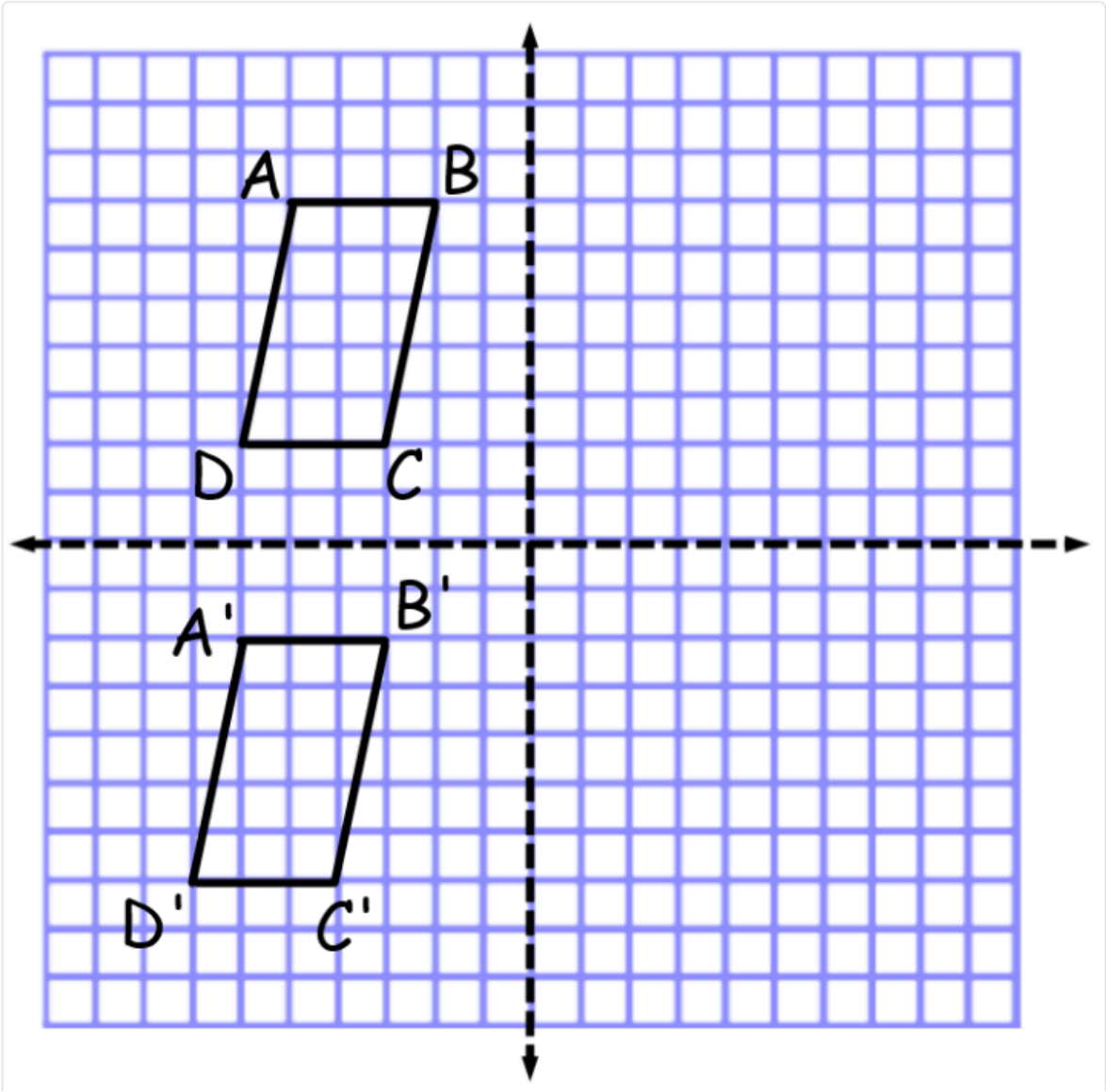
A. Rotate shape 180 degrees about the origin. Then, Translate (x,y)->(x – 1, y - 1)

B. Reflect over the y- axis. Then, translate (x,y)->(x + 1, y - 1)

C. Translate (x,y)->(x + 3, y - 1). Then reflect over x = 2 line.

2 Truths and a Lie

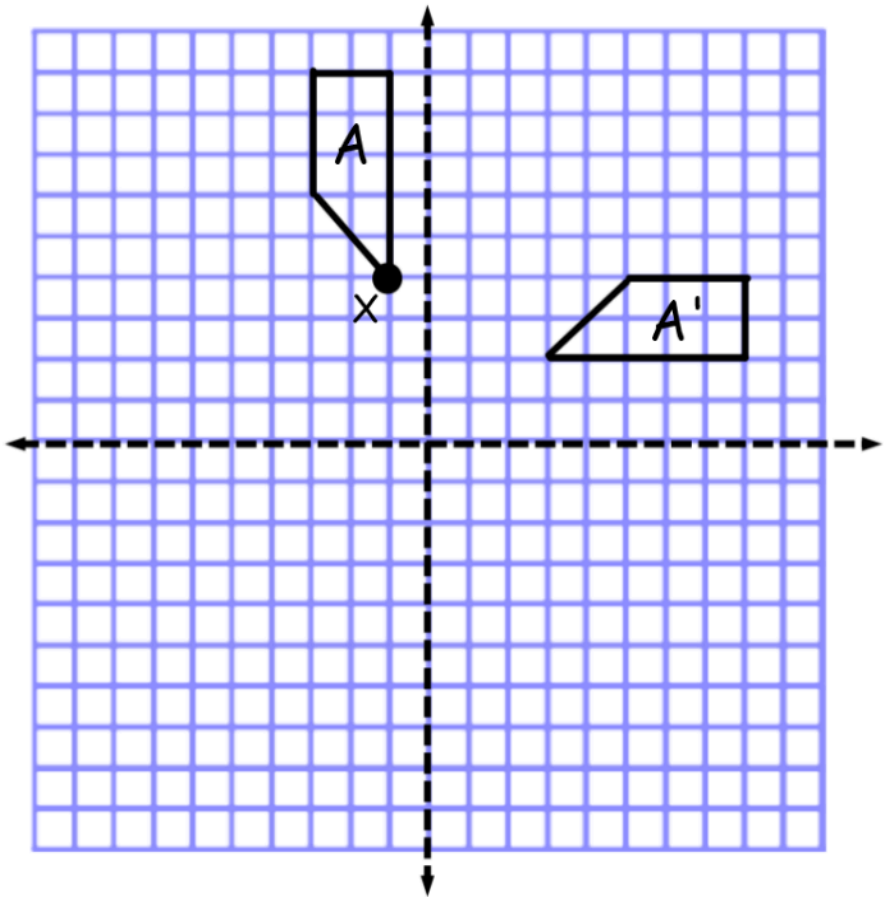
Which answer is BEST?



- Reflection over y axis (vertical line)
- Reflection over x axis (horizontal line)
- Translate down 4 units
- Translate down 9 units and left 1 unit

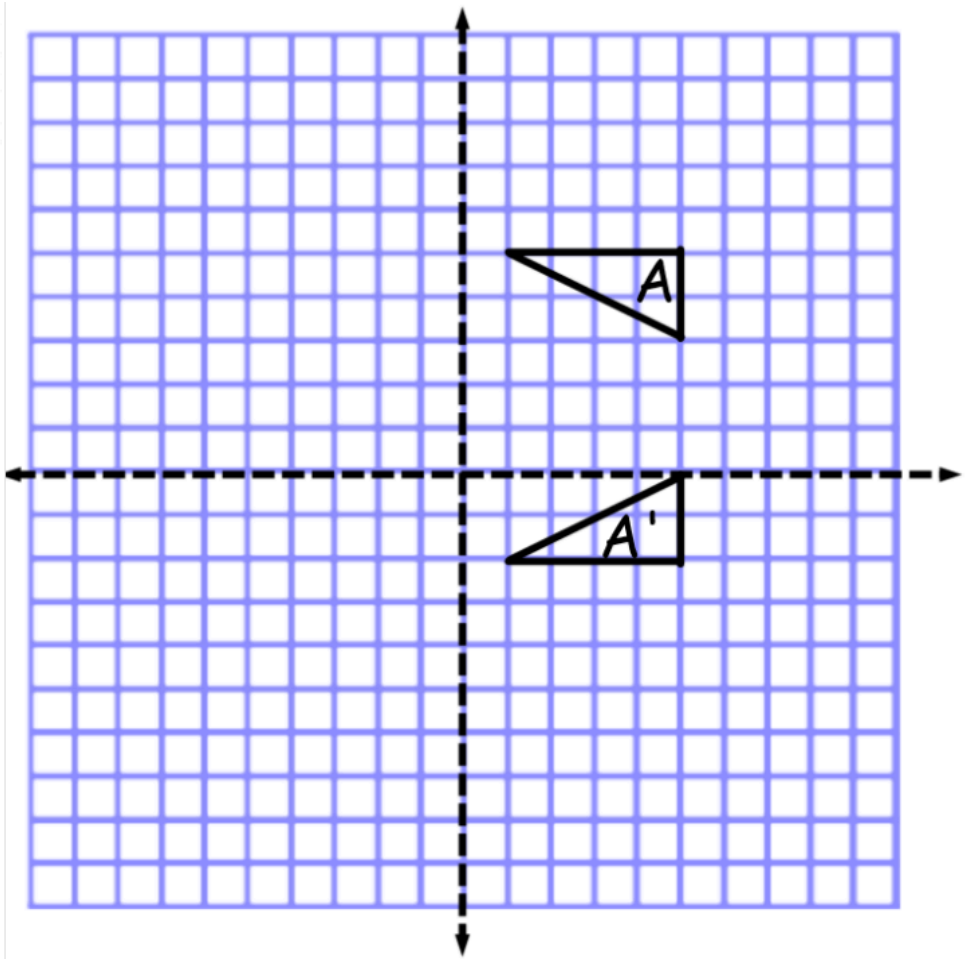
Which answer is the BEST?

Which answer is BEST?

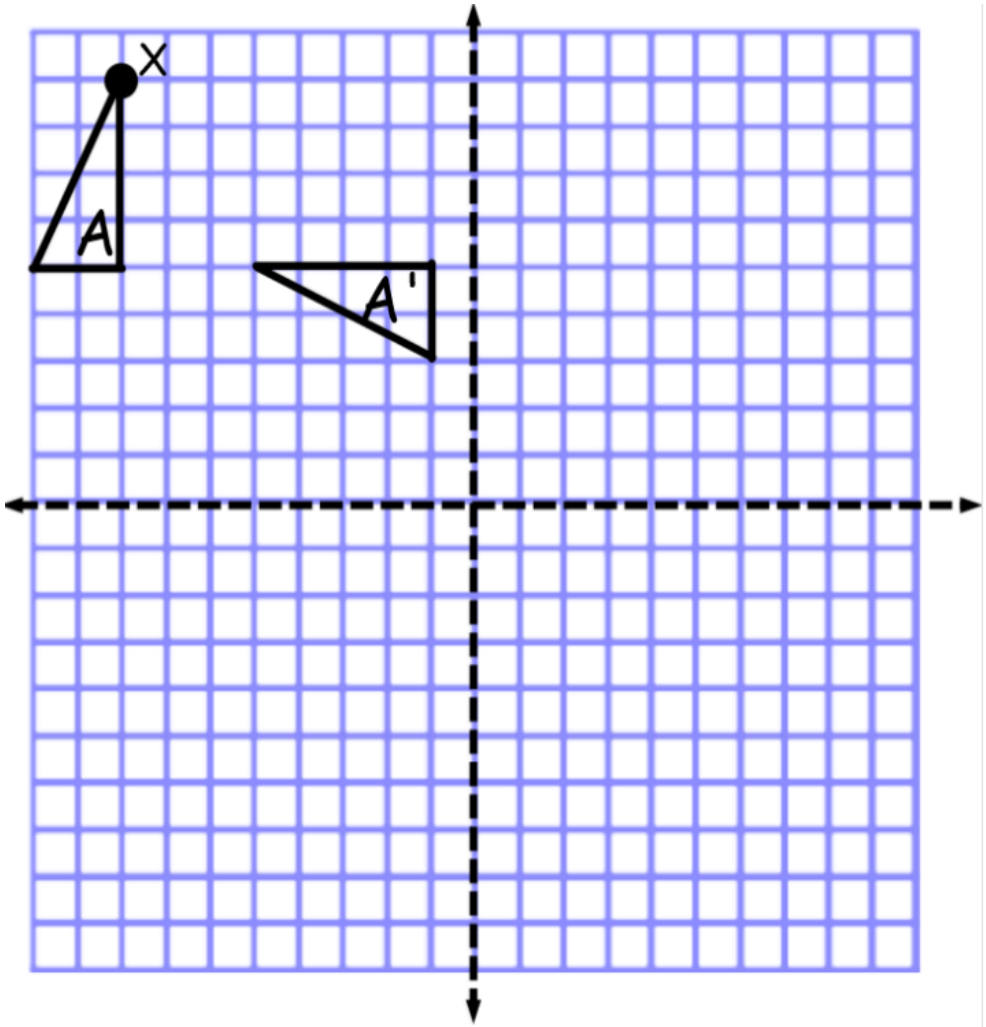


- Reflect over the y axis (vertical line).
- Translate 4 to the right and down 2. Then Rotate 180 degrees around point X.
- Rotate 90 degrees counter clockwise around the origin.
- Translate 4 to the right and down 2. Then Rotate 90 degrees clockwise around point X.

Which answer is BEST?



- Reflect over the x axis (horizontal line)
- Rotate 180 degrees around the origin.
- Translate 3 down and then reflect over the x axis (horizontal line).
- Translate 7 down.



- Translate to the right 7
- Translate to the right 3 and down 4. Then rotate 90 degrees counter clockwise around point X.
- Translate to the right 3 and down 4. Then rotate 180 degrees around point X.
- Translate to the right 3 and down 4. Then rotate 90 degrees clockwise around the origin.

Which answer is the BEST?