

# Fast 5

30% of 780

25 x 18

$\frac{1}{8} + \frac{1}{4}$

What is the largest size an acute angle can be?

What is the sum of the internal angles of a triangle?

# Fast 5

$$30\% \text{ of } 780 = 234$$

$$25 \times 18 = 450$$

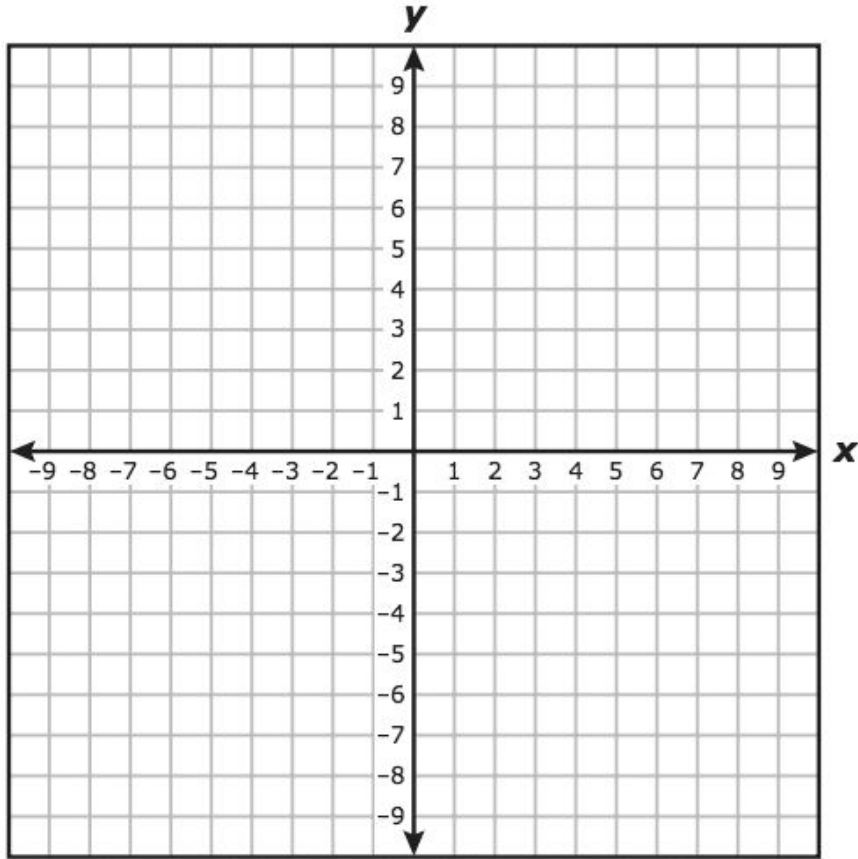
$$\frac{1}{8} + \frac{1}{4} = \frac{3}{8}$$

What is the largest size an acute angle can be?  $89^\circ$

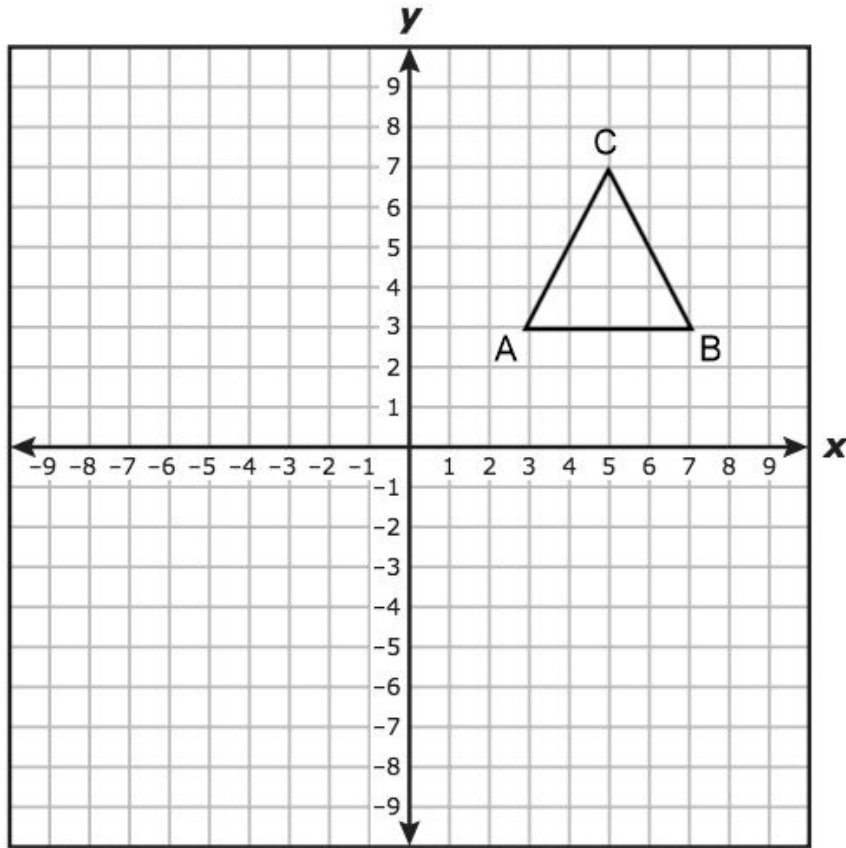
What is the sum of the internal angles of a triangle?

$180^\circ$

Can I translate shapes on a  
coordinate grid?



This coordinate grid has four quadrants.  
The X axis is horizontal and moves across.  
The Y axis is vertical and goes up and down.



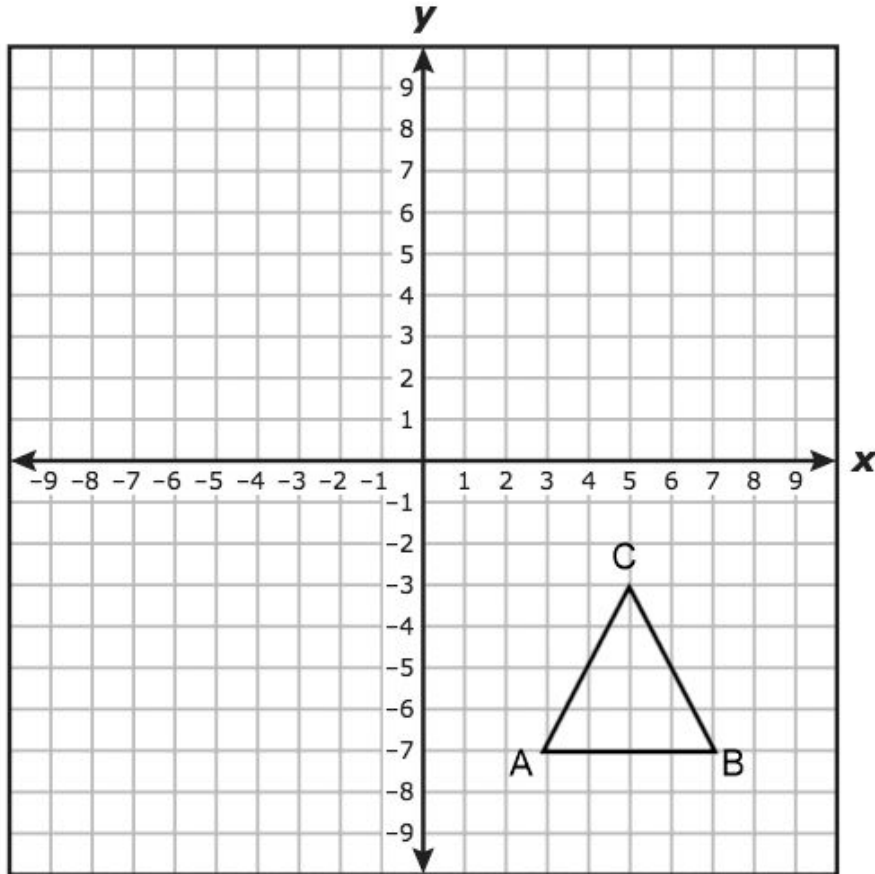
The way we record coordinates on shapes is to record the X axis first, then the Y axis.

The coordinates for this triangle are all positive and we record the coordinates for the points of the triangle like this:

A - (3, 3)

B - (7, 3)

C - (5, 7)



Here, my triangle has moved from being positive on both angles to positive on the X axis and negative on the Y axis.

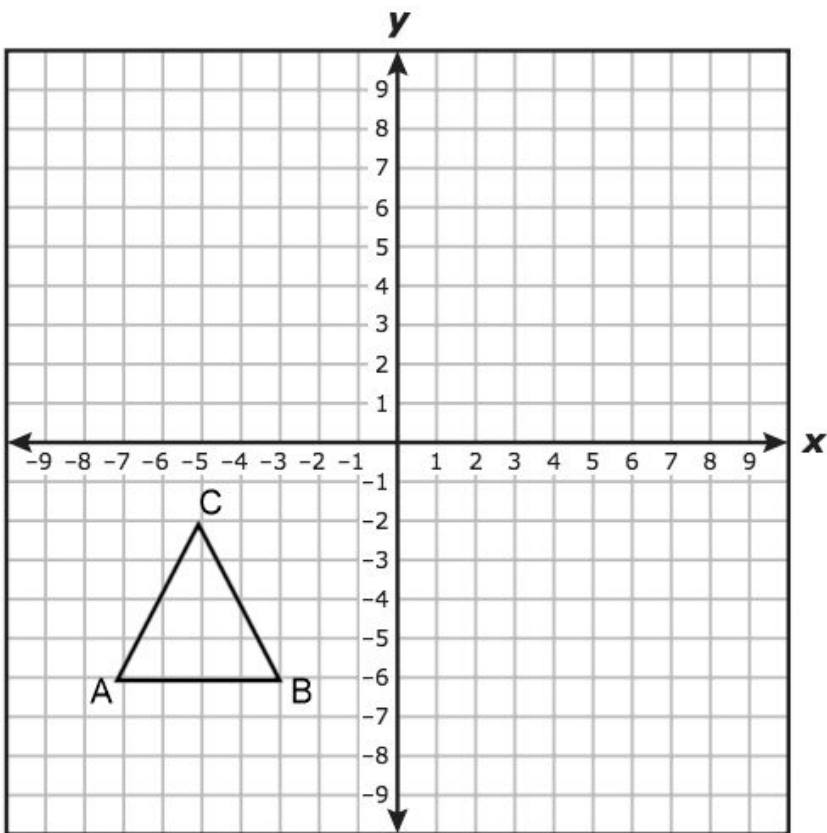
We record the coordinates

like this:

A - (3, -7)

B - (7, -7)

C - (5, -3)



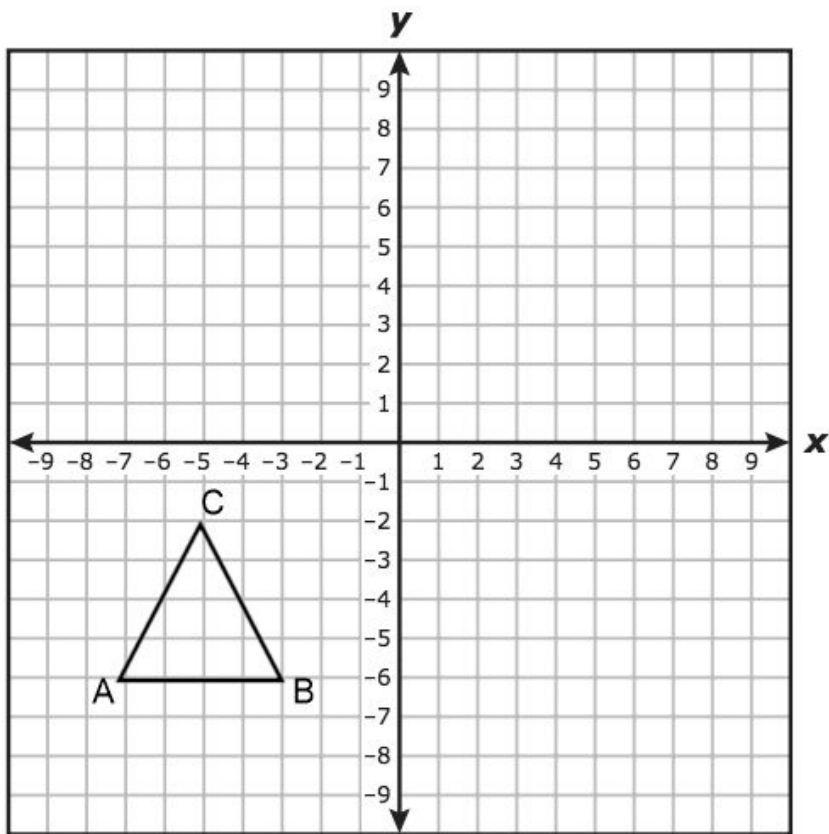
Now my triangle is negative on both the X and Y axis.

How would you record the coordinates of each point?

A -

B -

C -



Now my triangle is negative on both the X and Y axis.

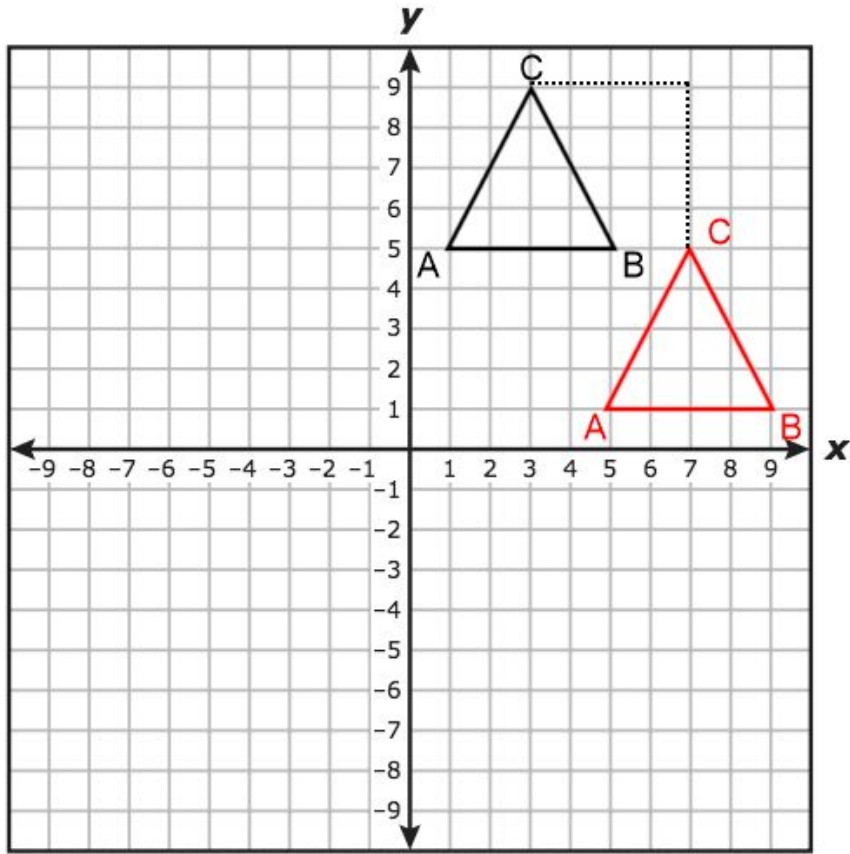
How would you record the coordinates of each point?

A - (-7, -6)

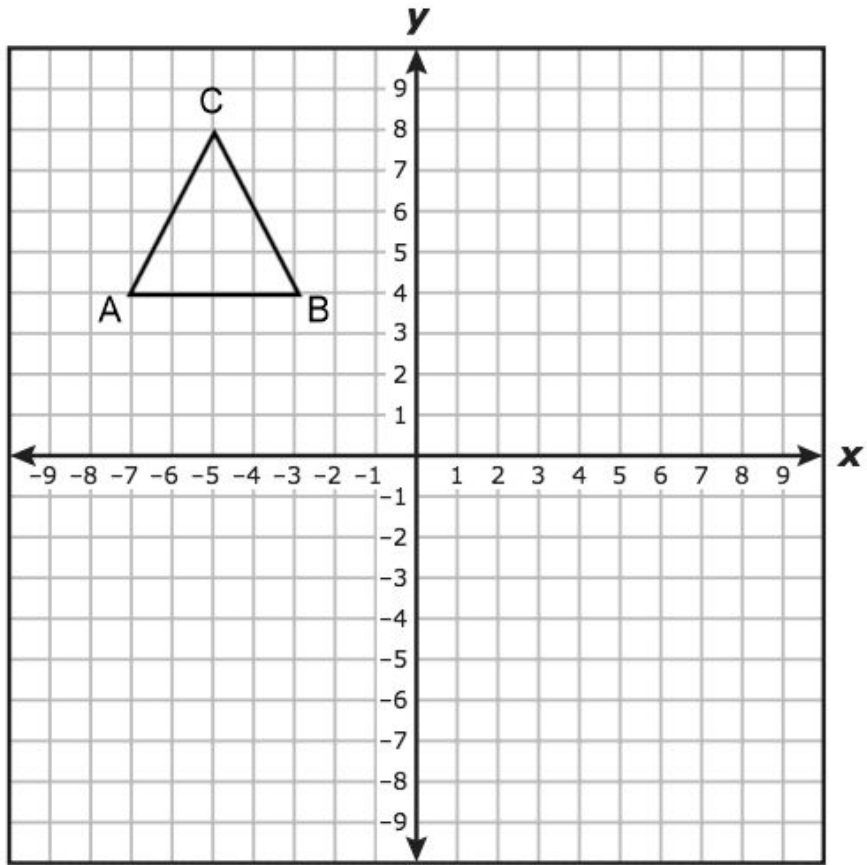
B - (-3, -6)

C - (-5, -2)

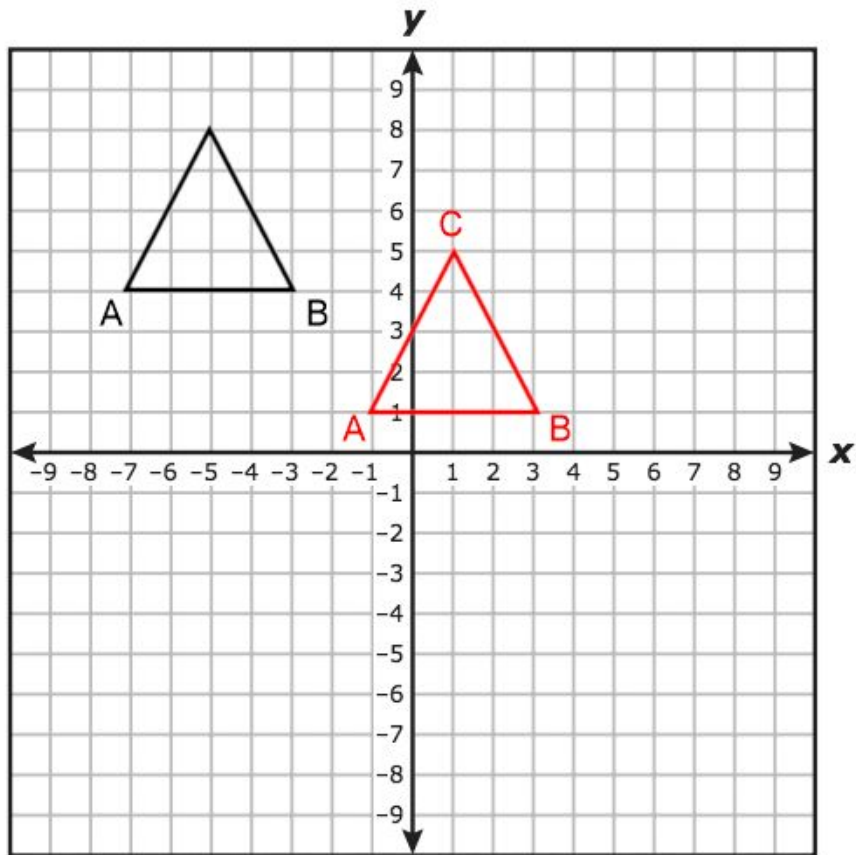




When **translating** shapes, we can do some based on a new set of coordinates or based on instructions on how far to move them. Here, I have translated my triangle 4 squares right and 4 squares down.



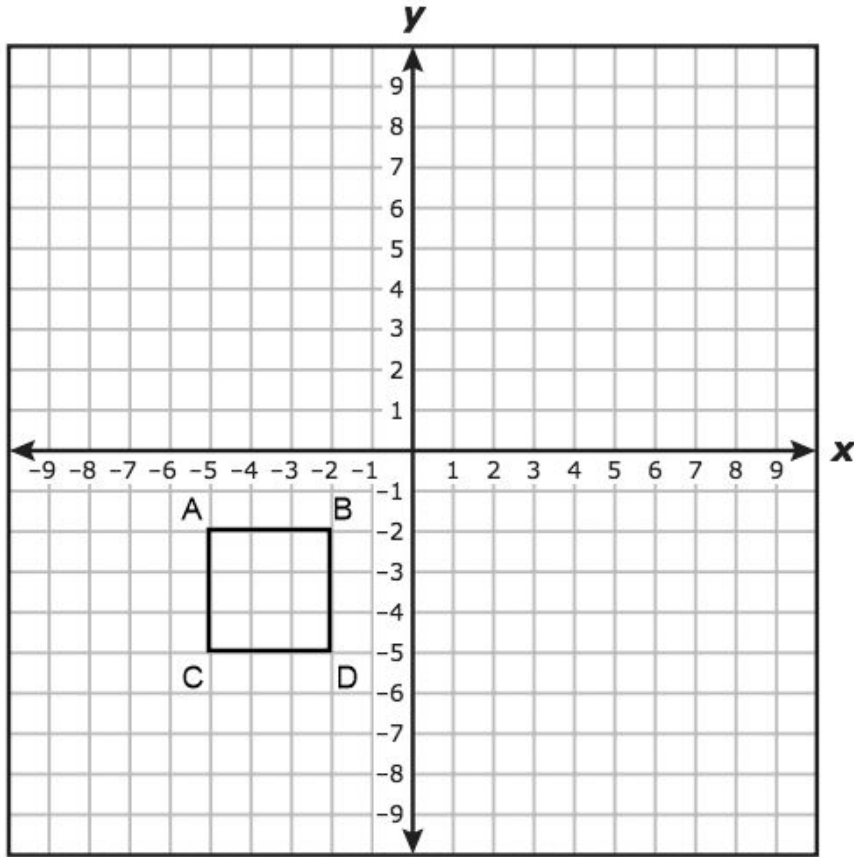
If I were to translate this triangle 6 squares right and 3 squares down, what would the new coordinates of the points be?



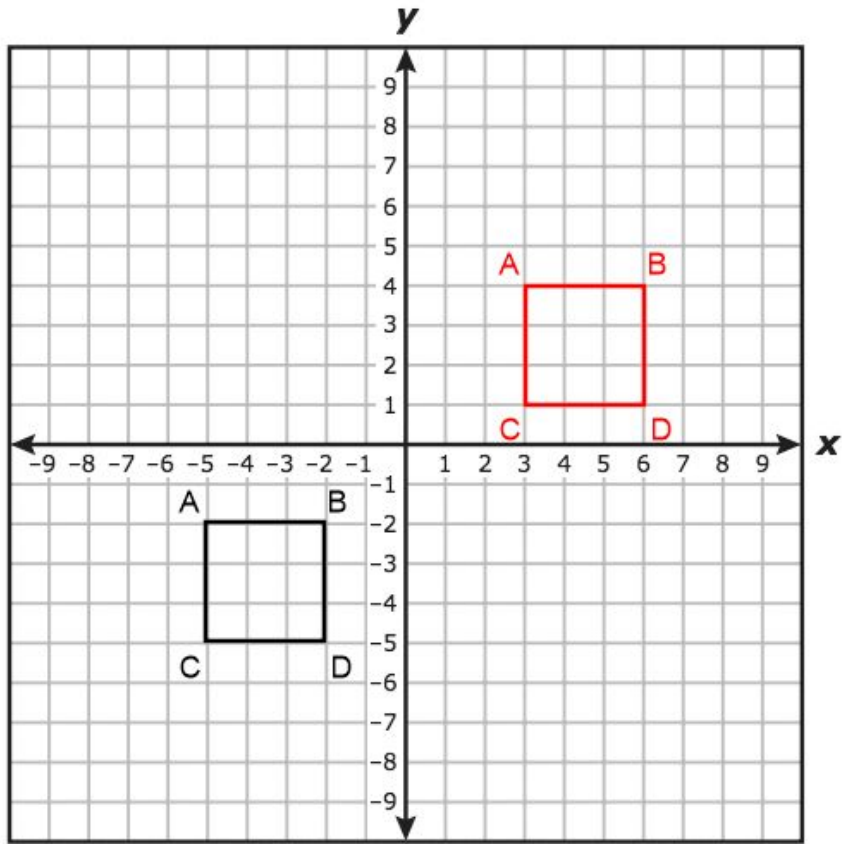
A - (-1, 1)

B - (3, 1)

C - (1, 5)



I were to translate this shape so that point A was at coordinate  $(3, 4)$ , what would the coordinates of the other points be?



Once I find point (3, 4) and start my shape, I just have to copy the same dimensions at my new point to record the rest of the shape.

$$B - (6, 4)$$

$$C - (3, 1)$$

$$D - (6, 1)$$