

PROVE!

Name: _____

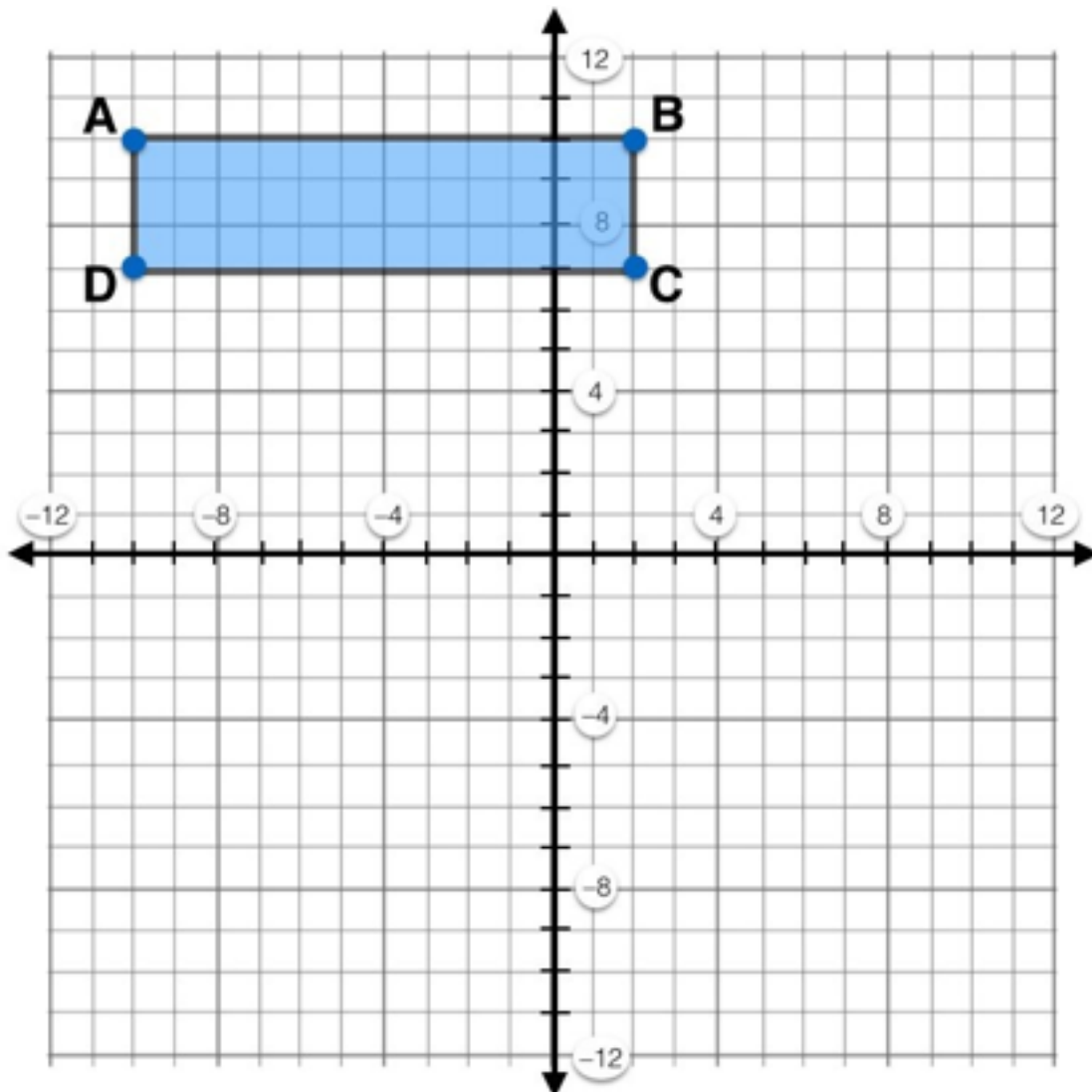
Date: _____

Part 1:

Sample Rectangle: A $(-10,10)$, B $(2,10)$, C $(2,7)$, D $(-10,7)$

1. Name any 4 points on this coordinate plane that will make a rectangle or square (all 90° angles).

2. Draw the 4 points on the coordinate plane
3. Attach the points with line segments
4. Color in the square or rectangle



Part 2:

Sample question: You can only move horizontally and vertically (not diagonally). On the coordinate plane, draw line segments or rays to show the shortest route you can take to get from point A to point B (there may be more than one answer).

Write the steps that you took to get from A to B:

Start at $(-10,-1)$. Go up to $(-10,3)$. Go right to end at $(-3,3)$

1. You can only move horizontally and vertically (not diagonally). On the coordinate plane, draw line segments or rays to show the shortest route you can take to get from point C to point D.

Write the steps that you took to get from C to D (see sample above):

2. You can only move horizontally and vertically and you may not pass through any X. On the coordinate plane, draw line segments or rays to show the *shortest* route you can take to get from point E to point F (hint: it may take more than 2 lines).

Write the steps that you took to get from E to F (see sample above):

