Polygons on the Coordinate Plane

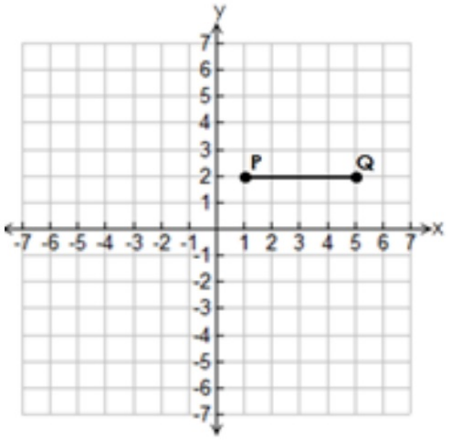
Connect

I do

Find the area of the rectangle that contains the vertices (9, -1), (9, 8), (3, -1) (3, 8)

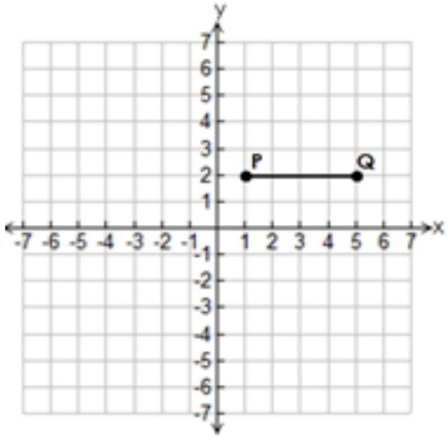
We do

Look at the coordinate grid below.



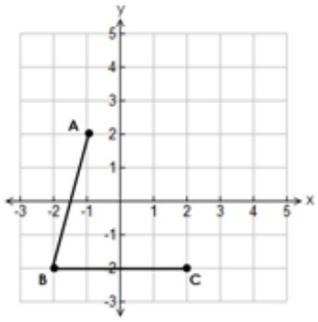
Points R and S will be added to the grid to form a rectangle with an area of 20 square units.
What ordered pairs could be the coordinates of points R and S?

You do together on whiteboard



Point S will be added to the grid to form a triangle with an area of 8 square units. What ordered pair could be the coordinates of point S?

You do alone on index card



What are the coordinates of the missing vertex of the parallelogram shown above?