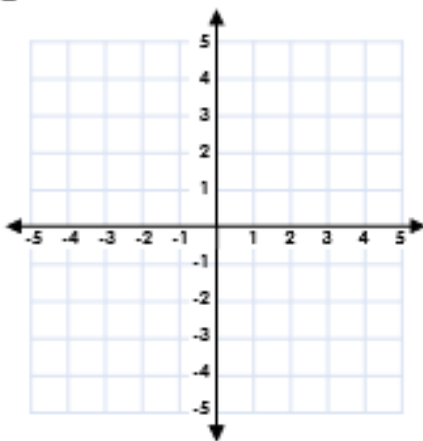


Four Quadrants

1a. Sam thinks that the coordinates below make a hexagon with a vertical line of symmetry.

$(-1, -1)$
$(1, -1)$
$(2, 1)$
$(-2, 1)$
$(2, 3)$
$(-1, 3)$



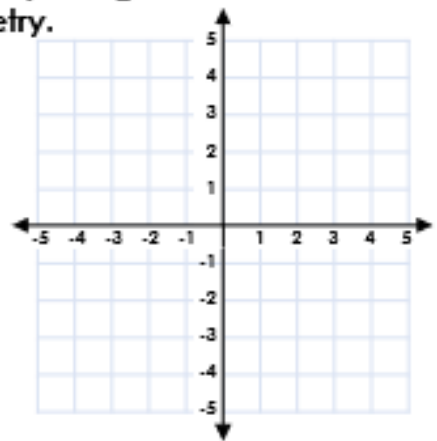
Is he correct? Explain why.

R

Four Quadrants

1b. Daisy thinks that the coordinates below make a pentagon with a vertical line of symmetry.

$(0, 1)$
$(2, 0)$
$(1, -1)$
$(-1, -2)$
$(-2, 0)$

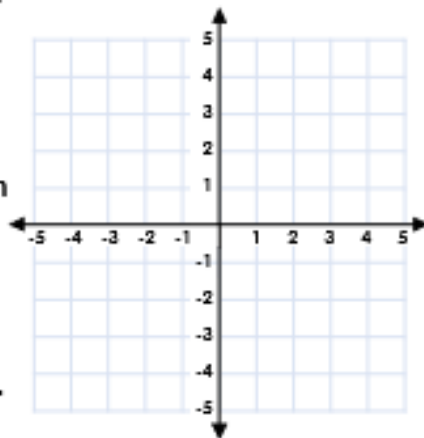


Is she correct? Explain why.

R

2a. Follow the clues. Which shapes could you draw? What could the coordinates of the shapes be?

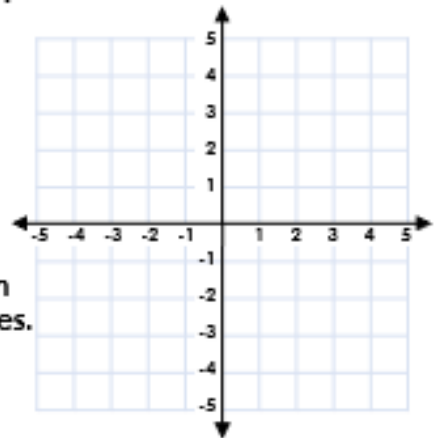
- The shape has one pair of parallel sides.
- The shape has fewer sides than a hexagon.
- The shape crosses two quadrants.
- One of the points is $(-3, -4)$.



PS

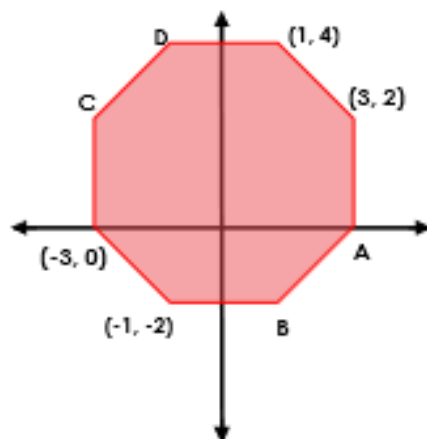
2b. Follow the clues. Which shapes could you draw? What could the coordinates of the shapes be?

- The shape is a regular polygon.
- The shape crosses all four quadrants.
- At least three points have 0 in their coordinates.
- One of the points is $(2, 2)$.



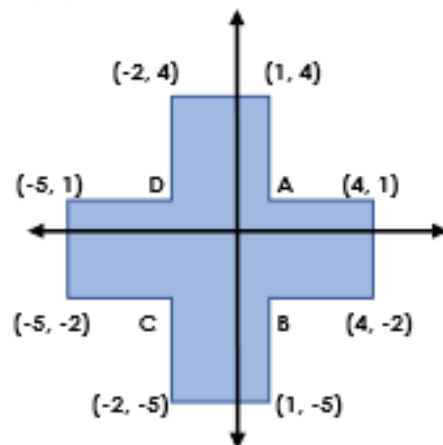
PS

3a. Here is an octagon. Use the given coordinates to find the coordinates of points A, B, C and D.



R

3b. Here is a dodecagon. Use the given coordinates to find the coordinates of points A, B, C and D.



R