

5. Fisher graphed and connected the points A, B, C, and D listed below in order and finished by connecting points A and D. He noticed that the result was a rectangle!

A(2, -3), B(-2, -6), C(-8, 2), D(-4, 5)

- a) On the graph below, graph the points A, B, C, and D. Find the area of the rectangle.

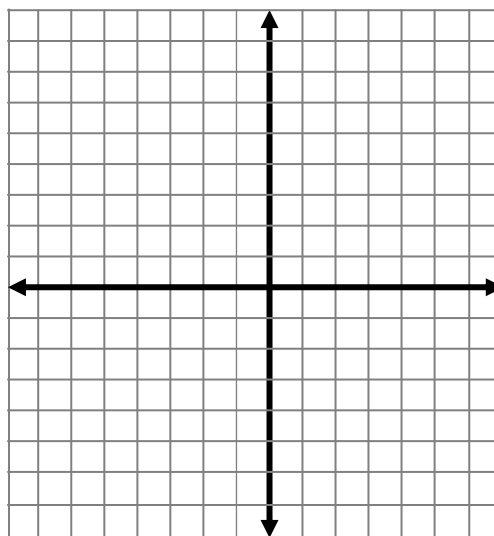
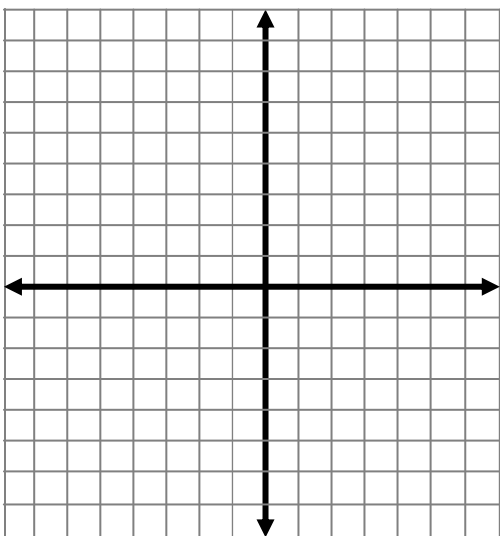
Area =

- b) Fisher decided to build another rectangle, but he quit before finishing the rectangle below. Find a point that will “finish” the rectangle.

E(3, 2), F(7, 1), G(6, -3) H (__, __)

- c) Which Quadrant is each point in?

E __, F __, G __, H __



6. a. Draw and label the sides of four possible rectangles that have an area of 12 square units.
Note: You will need decimals for at least one rectangle.

- b. Which perimeter is the largest?