

4.4 Area of Polygons in a Coordinate Plane Notes

Perimeter:

Area Formulas:

Rectangle:	Parallelogram:
Triangle:	Trapezoid:

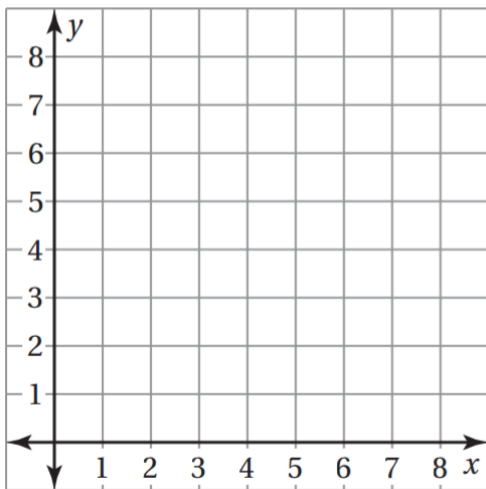
You can use _____ to represent vertices of polygons. An ordered pair is represented by (x, y) .

The first number x tells you how many spaces to move to the _____.

The second number y tells you how many spaces to move _____.

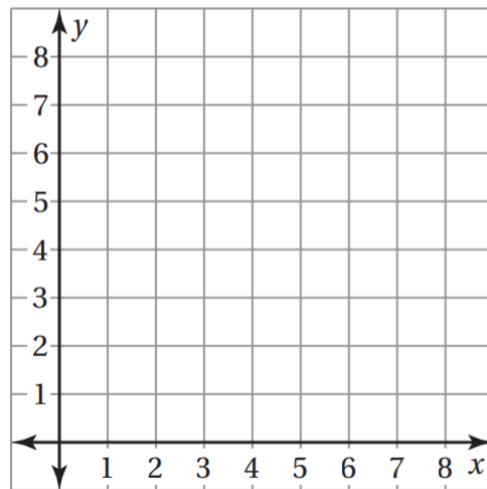
Draw the polygon with the given vertices in a coordinate plane. Then find the area and perimeter as indicated. Be sure to show your formula, substitution, & answer with label!

A(0,0), B(5,0), C(5,7)



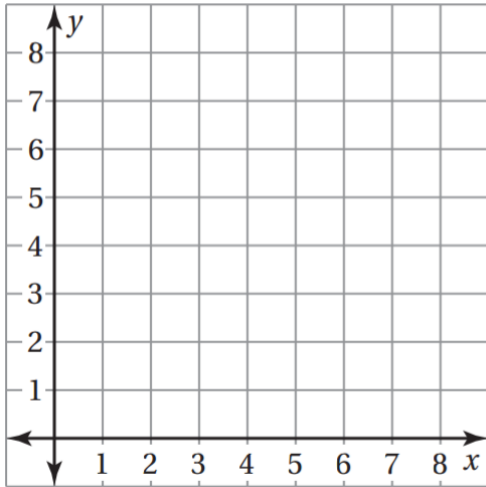
Area:

F(1,3), G(3,6), H(5,6), J(3,3)



Area:

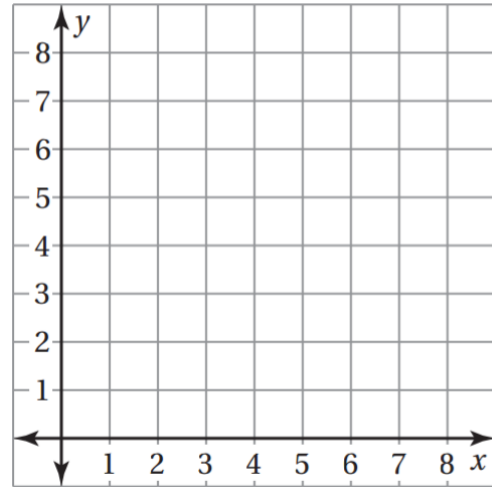
W(1,6), X(7,6), Y(7,2), Z(1,2)



Area:

Perimeter:

L(1,1), M(2,4), N(5,4), O(6,1)



Area:

In a grid of the exhibits at a zoo, the vertices of the giraffe exhibit are E(0,90), F(60,90), G(100,30), and H(0,30). The coordinates are measured in feet. What is the area of the giraffe exhibit?

