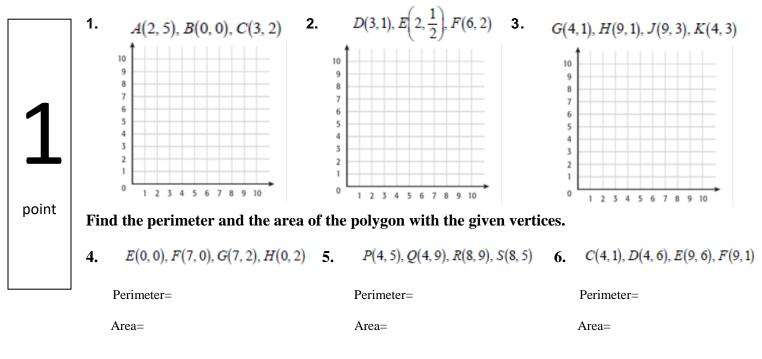
Polygons in the Coordinate Plane

You must earn 6 points! Draw the polygon with the given vertice in a coordinate plane.



Solve the word problem.

points

- 7. You design a courtyard using a coordinate plane. You plot the vertices of the courtyard at F(1, 0), G(5, 8), and H(1, 8). The coordinates are measured in yards.
 - a. What is the shape of the courtyard?
 - b. What is the area of the courtyard?
- 8. You use a coordinate plane to plot the two bus routes that you can take from your house to your school. You plot your house at A(5,5) and the school at C(25, 20). The first route includes one bus stop at B(5, 20). The second route includes bus stops at D(24, 15), E(20, 15) and F(20, 5). Which route has the shorter distance? Explain.

Draw a polygon with the give conditions in a coordinate plane.

- 9. A square with an area of 25 square units.
- 10. A triangle with an area of 6 square units.

Reflecting Back

You must complete ALL 6 problems!

1. Write an equivalent expression.

8y + 12 + 2y - 6 + 8

2. Solve the equation. Check your solution.

 $3 \bullet n = 63$

3. Solve the inequality. Graph the solution.

$$\frac{n}{3} \ge 12$$

4. Find the percent.

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What is 88% of 50?
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5. Use a ratio table to answer the word problem.

You are making a salad. The ratio of olives to croutons is 5 : 3. You put 12 croutons in your salad. How many olives do you put in your salad?

6. Find the Greatest Common Factor (GCF) & the Least Common Multiple (LCM).

28 and 72

