

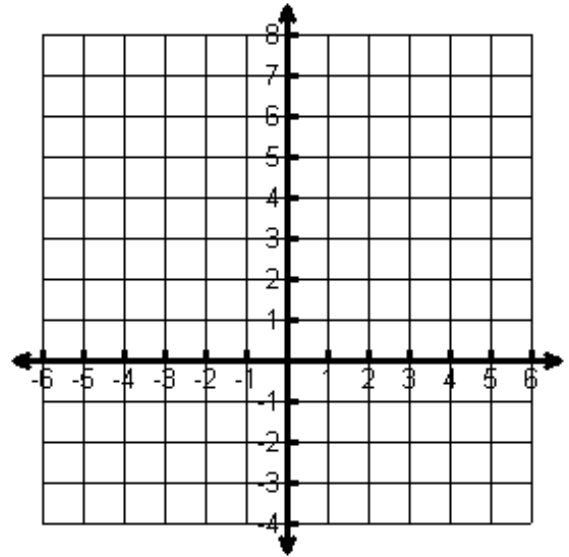
Test Practice Questions
Unit 6

Name: _____

1. Plot and label the following points:
A(-1, 3), B(3, 1), C(1, -2), and D(-3, 0).

What is the shape? _____

Proof:



2. If a square has a diagonal of 10in, what is the area of the square?

3. What is the perimeter of an isosceles trapezoid if the bases are 5 and 10, and one of the legs is 4?

4. If a segment has endpoints of $(3x, y)$ and $(-4x, 5y)$, and a midpoint of $(4, 12)$, solve for x and y .

$X =$ _____ $Y =$ _____

What are the coordinates of the endpoints? _____

5. Partition segment AB such that the ratio of A to B is 5 to 4 if point A is $(-3, 1)$ and B is $(15, 10)$

6. Find the equation of a line perpendicular to $2x + 3y = 5$ that goes through $(2, 1)$