

**GEOMETRY**  
**BLIZZARD ASSIGNMENT #2**

**NAME:** \_\_\_\_\_

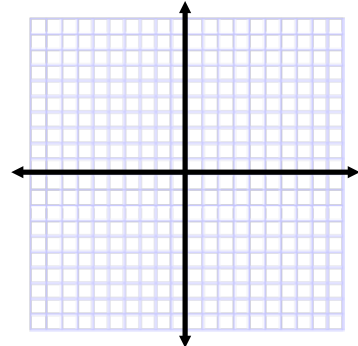
Directions: Print this worksheet. Then complete each problem showing ALL work!

1. You are given the vertices of a triangle. Graph and label the triangle. Then find the perimeter and area of the triangle. Show all work!

A(-3, 2)

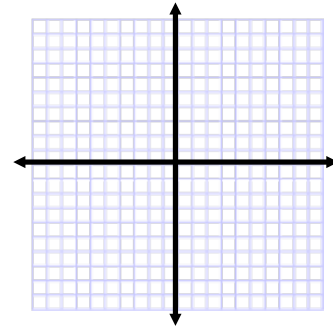
B(4, 2)

C(1, -5)



2. Given the points  $W(-1, 4)$ ,  $A(3, 2)$  and  $X(1, -3)$ , decide if segment  $WA \cong AX$ ? Show all work to support your answer...

3. Write the equation of the line that is perpendicular to  $6x - 3y = 15$  that passes through the point  $(-4, 5)$ . Then graph both lines neatly...



4. You are given that segment HE is parallel to segment OR and that segment HE is congruent to segment OR. You are prove that triangle HEO is congruent to triangle ROE.

Write a paragraph proof...

