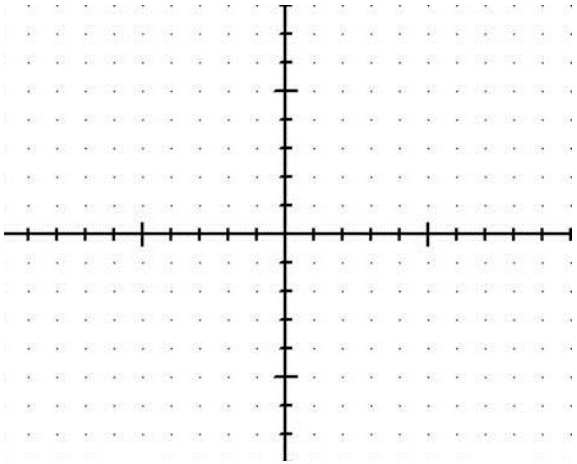
Name:_____Period:____ Geometry Practice for Final Exam 2015: **Coordinate Geometry**

Directions for #'s 1-2: Graph the points. Use the *Distance* and *Slope* formulas to determine the most precise name of the Quadrilateral *ABCD. (show **ALL** work!)*

1) $A(3,5), B(6,5), C(2,1), D(1,3)$

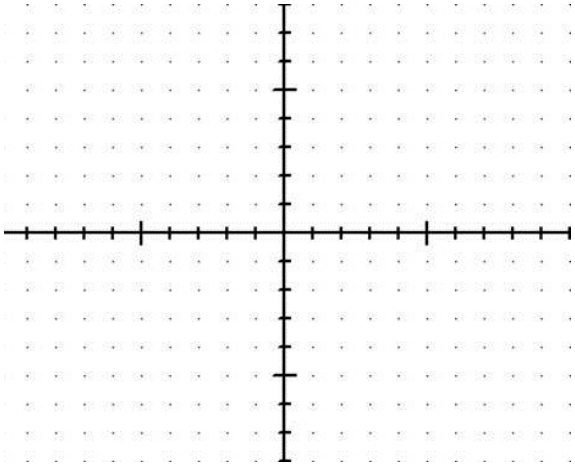


Distance:

Slope:

Most precise name and why?:

2) $A(-4,5), B(-1,3), C(-3,0), D(-6,2)$



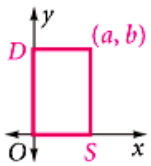
Distance:

Slope:

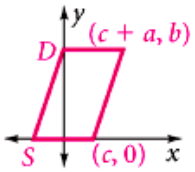
Most precise name and why?:

Directions for #'s 3-6: Give the coordinates for Points *D* and *S* without using any new variables.

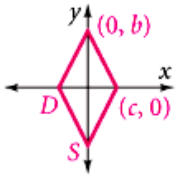
3) rectangle



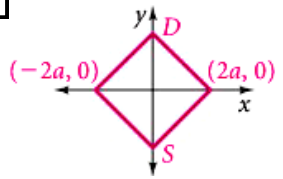
4) parallelogram



5) rhombus

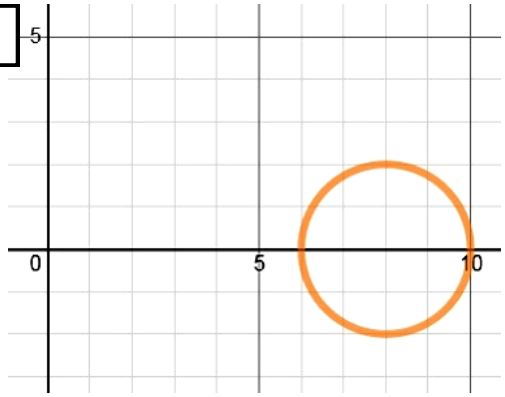


6) square



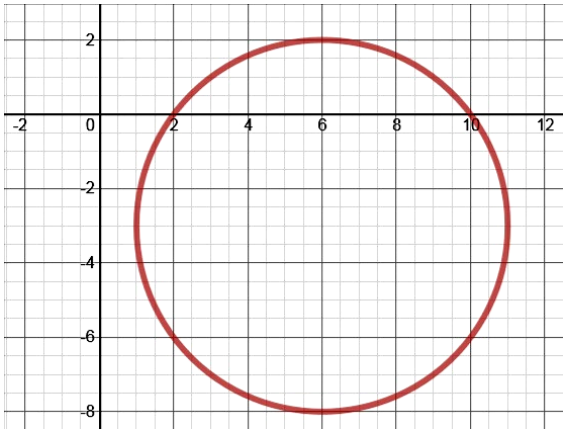
Directions for #'s 7-9: Find the equation of the circle with the given graph

7)



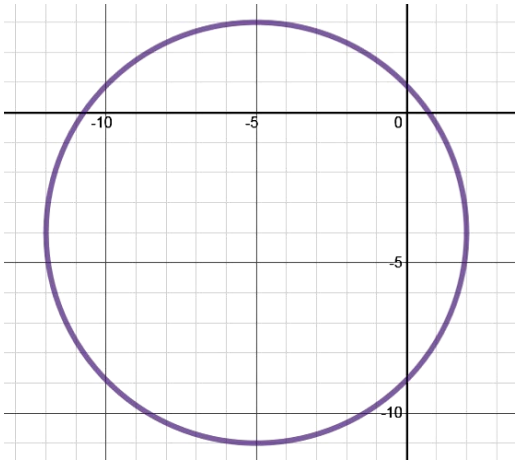
Equation:_____

8)



Equation:_____

9)



Equation:_____

Directions for #'s 10-12: Find the equation of the circle with the given information

10) Center $P(-6, -2)$ going through $(-8, 1)$

Equation:_____

11) diameter with endpoints at $(-2, -3)$ and $(4, 5)$

Equation:_____

12) diameter with endpoints at $(-2, 1)$ and $(4, 3)$

Equation:_____