

Advanced Math

1-1 (Day 2)

Equations of Circles

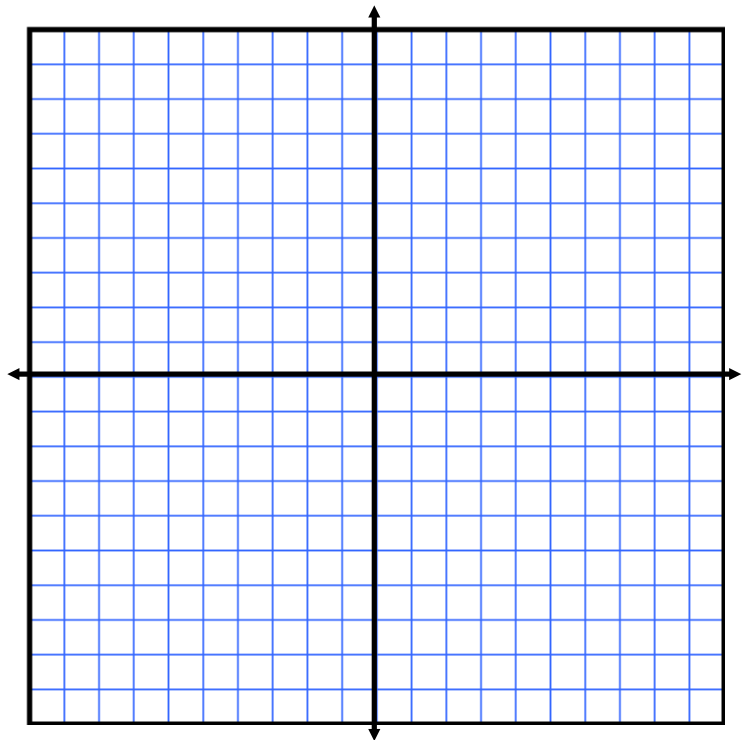
Equation of a Circle:

Find the standard form of the equation of the specified circle.

69) Center: $(0,0)$; radius: 3

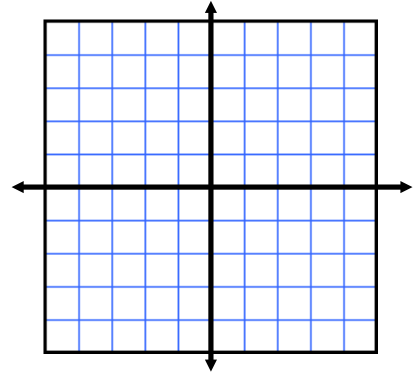
Find the standard form of the equation of the specified circle.

75) Endpoints of a diameter: $(0,0)$ and $(6,8)$

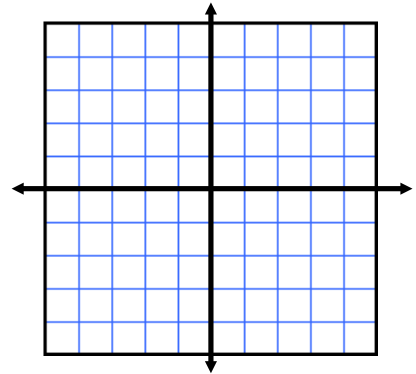


Find the center and radius of each, and sketch its graph.

79) $x^2 + y^2 = 4$



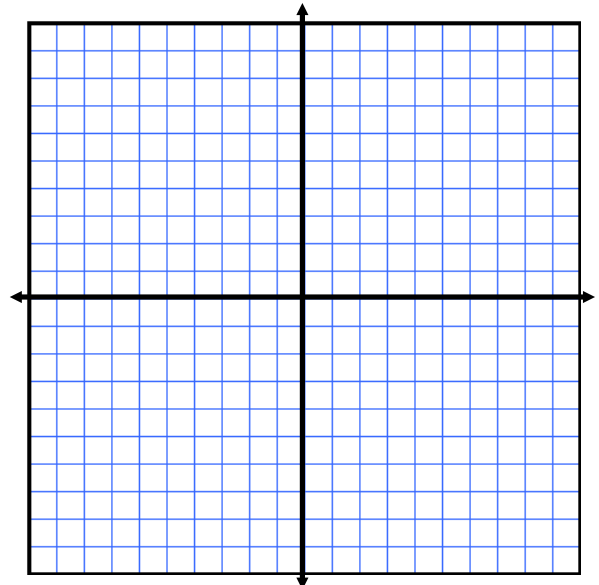
81) $(x - 1)^2 + (y + 3)^2 = 4$



91) A manufacturing plant purchases a new molding machine for \$225,000. The depreciated value y after t years is given by:

$$y = 225,000 - 20,000t \quad \text{where } 0 \leq t \leq 8$$

Sketch a graph of the equation. List the window size that will show the graph on the calculator screen.



Assignment:

Pg. 116

70-84 even,

85, 86, 92

97, 98

Note: 4 graphs