

Graphing Circles with Center (0,0)

Name _____

Date _____ Period _____

Graph the following circle

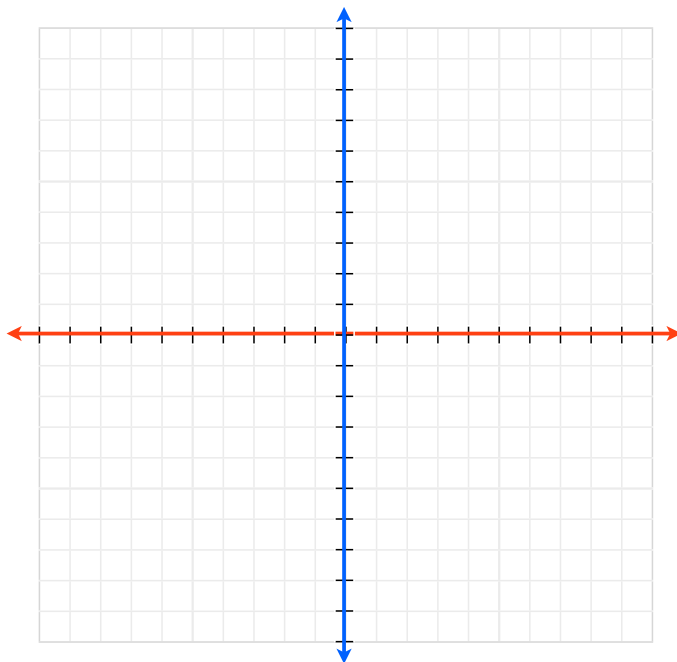
$$x^2 + y^2 = 25$$

Center

Radius

Domain

Range



Graph the following circle

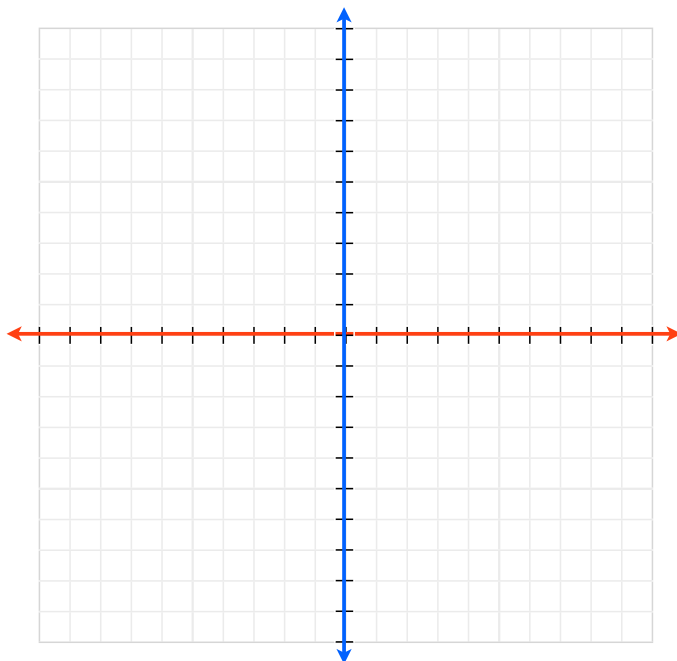
$$x^2 + y^2 = 81$$

Center

Radius

Domain

Range



Graph the following circle

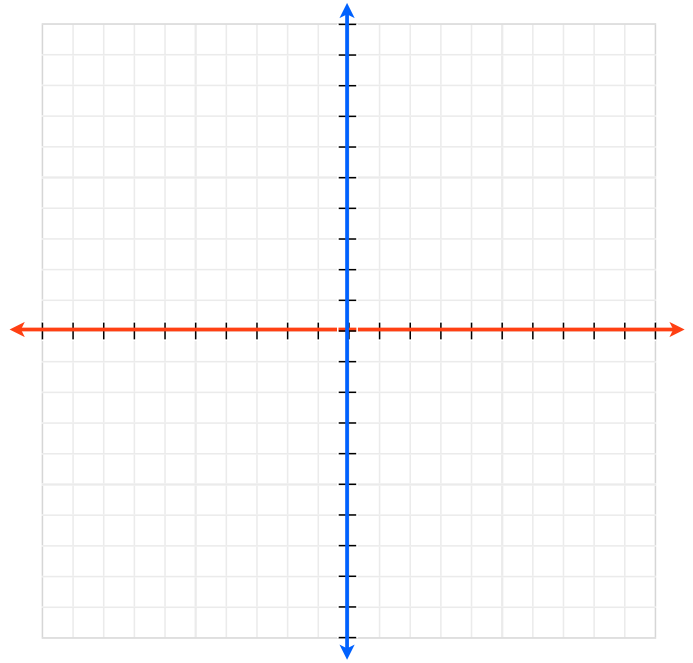
$$5x^2 + 5y^2 = 80$$

Center

Radius

Domain

Range



Write the equation of a circle with center at $(0,0)$ with the following radius.

$$x^2 + y^2 = r^2$$

$$\text{Radius} = 7$$

$$\text{Radius} = 2\sqrt{3}$$

Write the equation of a circle with center at $(0,0)$ that passes through the point $(6,8)$.

