

Equation of a Circle with center (h,k)

h gives the x -coordinate of the center

k gives the y -coordinate of the center

$$(x - h)^2 + (y - k)^2 = r^2$$

r gives the radius of the circle

Equation of a Circle with center (h,k)

$$(x - h)^2 + (y - k)^2 = r^2$$

Given the equation of a circle, label h , k , and r .

$$(x - 2)^2 + (y + 1)^2 = 8$$

$$(x + 1)^2 + (y - 4)^2 = 27$$

$$x^2 + (y + 6)^2 = 50$$

Graph the following circle

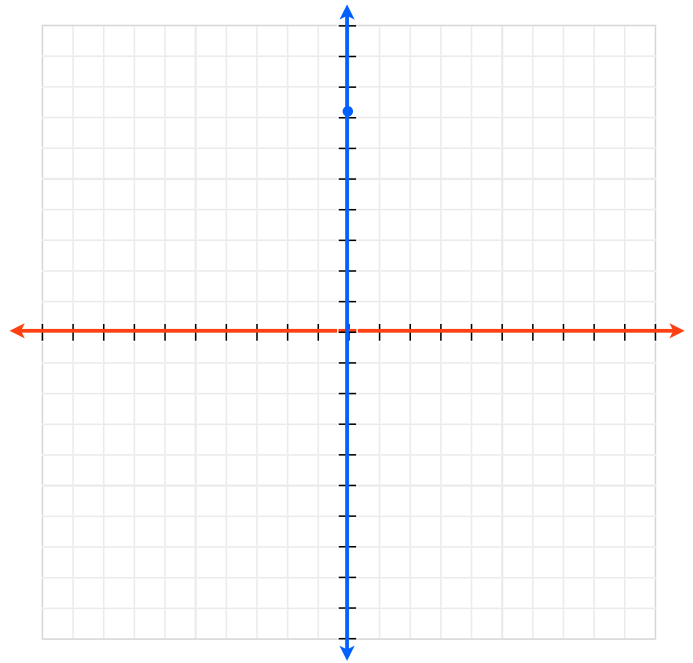
$$x^2 + y^2 = 50$$

Center

Radius

Domain

Range



Graph the following circle

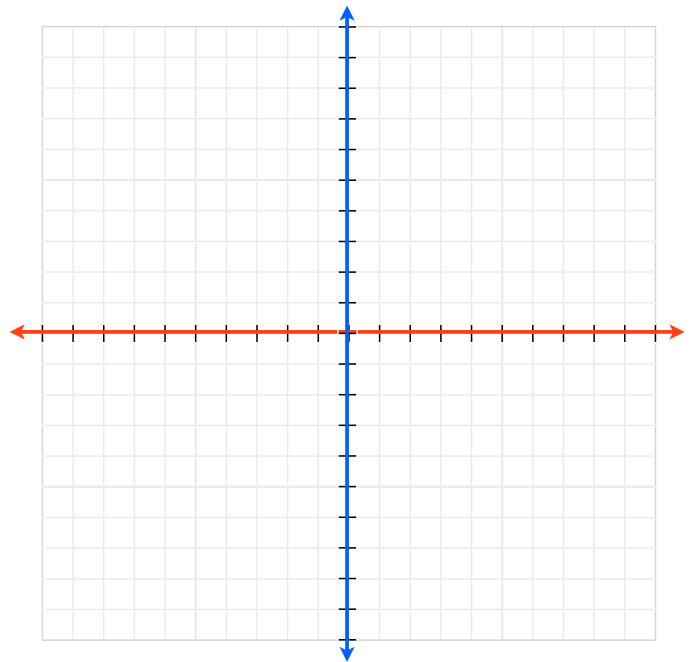
$$x^2 + y^2 = 18$$

Center

Radius

Domain

Range



Graph the following circle

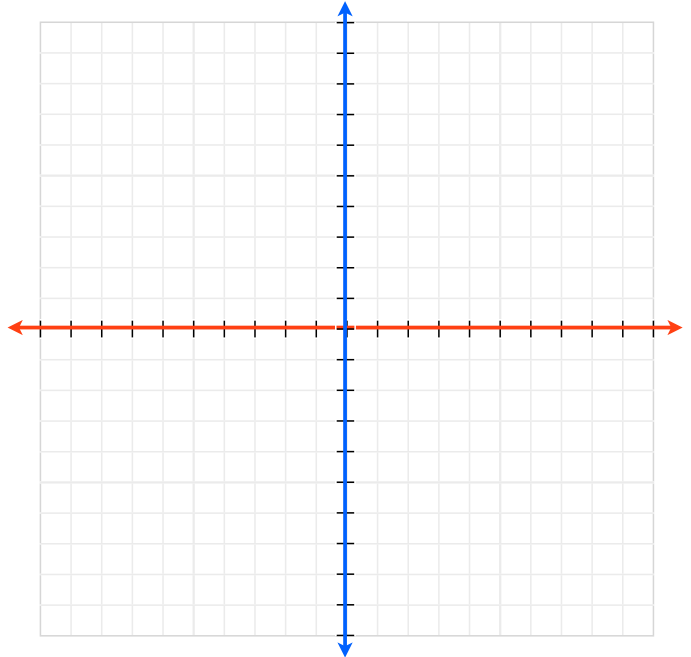
$$(x - 2)^2 + (y + 1)^2 = 48$$

Center

Radius

Domain

Range



Graph the following circle

$$(x + 2)^2 + (y + 4)^2 = 27$$

Center

Radius

Domain

Range

