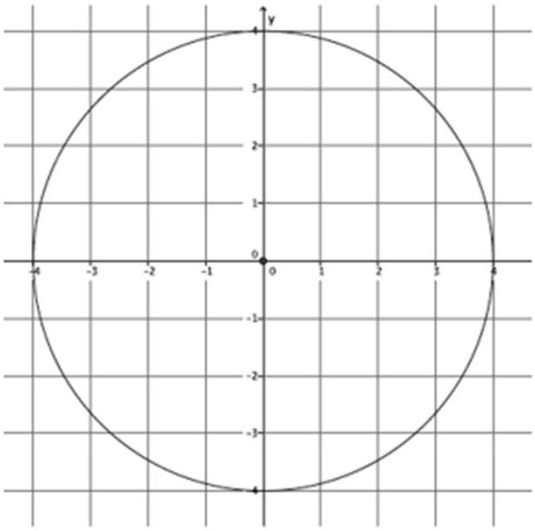
Equation of Circle

1. Describe the circle given by the equation $(x-7)^2+(y-8)^2=9$.

2. Write the equation for a circle with center $(0,-4)$ and radius 8.

3. Write the equation for the circle shown below.



4. A circle has a diameter with endpoints at $(6,5)$ and $(8,5)$. Write the equation for the circle.

5. What is the center and radius of the circle given by the equation $x^2+(y-11)^2=144$?

Equation of Circle

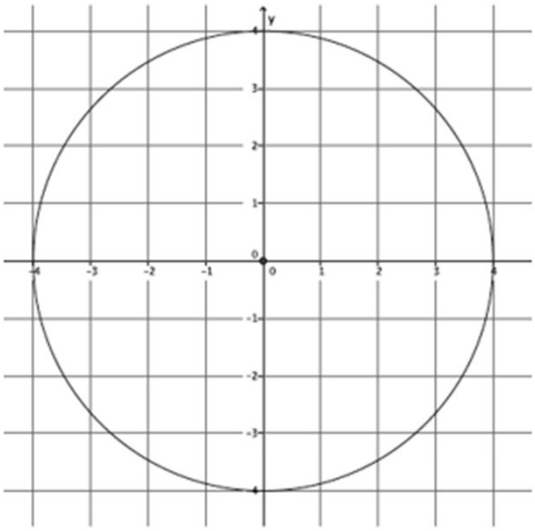
1. Describe the circle given by the equation $(x-7)^2+(y-8)^2=9$.

The circle has a center at $(7,8)$ *and a radius of* 3.

2. Write the equation for a circle with center $(0,-4)$ and radius 8.

$x^2+(y+4)^2=64$

3. Write the equation for the circle shown below.



$\boldsymbol{x^2+y^2=16}$

4. A circle has a diameter with endpoints at $(6,5)$ and $(8,5)$. Write the equation for the circle.

$(\boldsymbol{x}-7)^2+(\boldsymbol{y}-5)^2=1$

5. What is the center and radius of the circle given by the equation $x^2+(y-11)^2=144$?

The center is located at $(0,11)$*, and the radius is* 12.