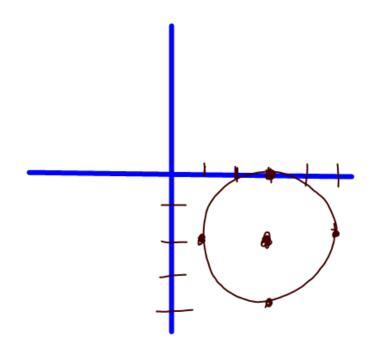
The standard form of the equation of a circle with radius r and center at (h, k) is

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

$$e \times 1$$
  $(h, k)$ 

Write the standard form of the equation of the circle that is tangent to the x-axis and has its center at (3, -2). Then graph the equation.

$$\frac{(x-h)^{2}+(y-k)^{2}=-2}{(x-3)^{2}+(y+2)^{2}=4}$$



The general form of the equation of a circle is

$$|x^2 + y^2 + Dx + Ey + F = 0,$$

where D, E, and F are constants.

$$(x-h)^{2}+(y-k)^{2}$$
?

The equation of a circle is  $2x^2 + 2y^2 - 4x + 12y - 18 = 0$ .

$$\frac{(-2)^{3}}{(-1)^{2}} \times (-2)^{3} \times (-1)^{2} + (-1)^{2} \times (-1)^{2} + (-1)^{2} \times (-1)^{2} + (-1)^{2} \times (-1)^{2} + (-1)^{2} \times (-1)^{2$$

