Standard Form: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 center (h, k) radius r

 General form: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Write the standard form of the equation of the circle with the given center and radius.

 center (2, 1); radius 5 center (-3, 2); radius 

Graph the equation. Include intercepts.

  

 

Write the general form of the equation of the circle with the given center and radius.

 center (0, -4); radius 2.5 center (2, 1); radius 5

Graph the equation.

 x2 + y2 = 16 x2 + y2 + 4x – 5y + 9.25 = 0

Find the standard form of the equation of the circle with

1. endpoints of a diameter at (4, -3) and (0, 1)
2. center (-1, 3) and tangent to the line y = 2