

Circles

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

Circle with center (h, k) with radius r

- 1. Find the center and radius of the circle, $x^2 + y^2 = 3^2$**
- 2. Find the center and radius of the circle, $(x - 3)^2 + (y - 5)^2 = 2^2$**
- 3. Find the center and radius of a circle, $(x - 3)^2 + (y + 5)^2 = 2^2$**
- 4. Find the center and radius of a circle, $(x + 4)^2 + (y - 3)^2 = 25$**
- 5. Find the center and radius of a circle, $x^2 + y^2 + 4x - 6y - 12 = 0$**
- 6. Find the center and radius of a circle, $x^2 + y^2 - 8x + 4y = 16$**
- 7. Find the center and radius of a circle, $x^2 + y^2 - 6y - 7 = 0$**
- 8. Write an equation of a circle with center $(-2, 3)$ and radius 6**
- 9. Write an equation of a circle with center $(4, -5)$ and radius 7**
- 10. How was the equation of the circle derived?**