

**Geometry**  
**Unit: Circles**  
**Section: Equation of a Circle**

**Review Worksheet**

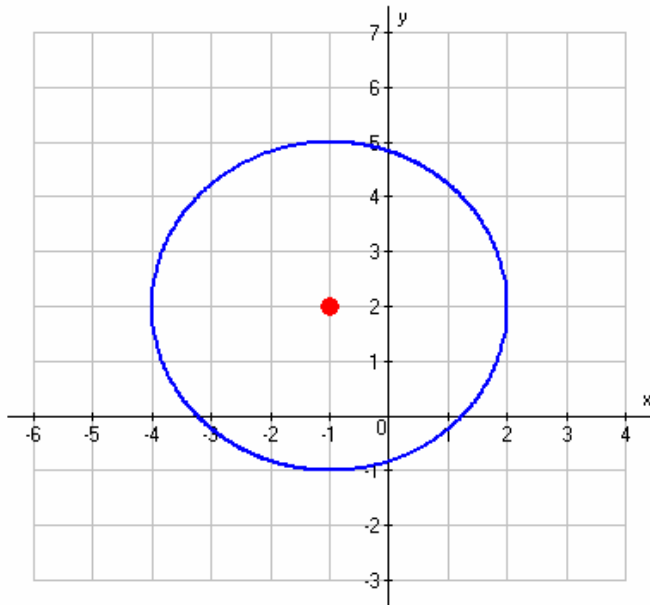
1) What is the equation of the circle with center at  $(-4, 6)$  and radius 6?

2) What is the center and radius of the circle  $(x - 3)^2 + (y - 2)^2 = 100$ ?

3) What is the equation of the circle with center at  $(3, -3)$  and that passes through the point  $(8, 9)$ ?

4) What is the equation of the circle with endpoints of the diameter at  $(3, -4)$  and  $(-3, 4)$ ?

5) What is the equation of the circle graphed below?



6) Graph the circle  $(x - 4)^2 + (y + 2)^2 = 16$ .

