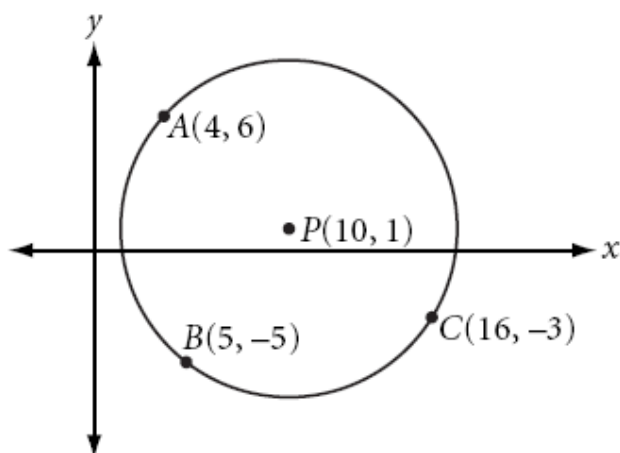


Name: _____

Circle

- 1) P is the center of the circle. What's wrong with this picture?



- 2) Find an equation for the circle with center $(1, -2)$ that passes through $(4, 2)$
- 3) Find the radius and center of each circle

- 1) $x^2 + y^2 = 25$
- 2) $(x - 1)^2 + (y - 4)^2 = 16$
- 3) $(x + 1)^2 + (y + 3)^2 = 5$
- 4) $x^2 + (y + 2)^2 = 1$
- 5) $(x + 4)^2 + (y + 1)^2 = 8$
- 6) $(x - 3)^2 + (y - 5)^2 = 36$

- 4) Find the center and radius of the circle whose equation is given below:

- 1) $x^2 + y^2 - 8x + 2y + 8 = 0$ 2) $2x^2 + 2y^2 + 24x - 81 = 0$
- 3) $x^2 + y^2 = 9$ 4) $y^2 = \frac{16 - 4x^2}{4}$