
Review: Write the equation of the circle in STANDARD form.

1) $x^2 + 2x + y^2 - 10y + 10 = 0$

2) $x^2 + y^2 - 4x + 6y + 9 = 0$

Directions: Write the equation of the circle in GENERAL form.

3) $(x - 2)^2 + (y + 6)^2 = 25$

4) $(x + 5)^2 + y^2 = 27$

5) $x^2 + (y - 3)^2 = 14$

6) $(x + 1)^2 + (y - 7)^2 = 39$

Directions: Write the equation of the circle in both forms.

7) Center: $(2, -3)$ & Radius: 7

8) Center: $(-13, -16)$ & Point on the Circle:
 $(-10, -16)$

9) Center: $(0, 5)$ & Diameter: 10

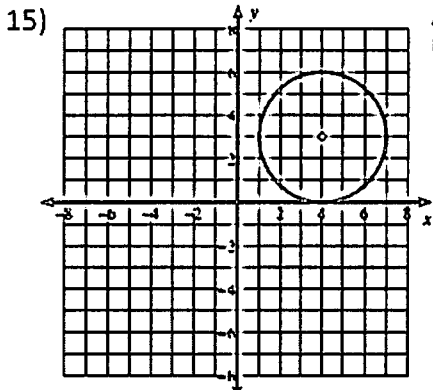
10) Center: $(4, 1)$ & Point on the Circle: $(4, 4)$

11) Ends of the diameter are $(18, -13)$ and $(4, -3)$

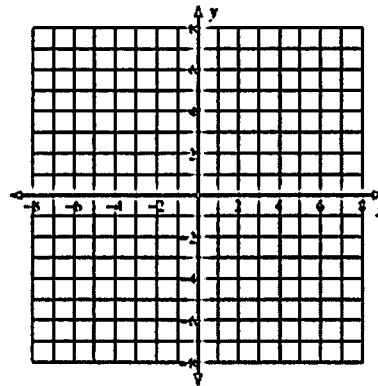
12) Center: $(0, 13)$ & Area of 25π

13) Ends of Diameter are $(0, 0)$ & $(0, 6)$

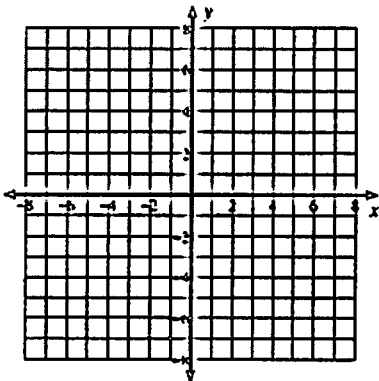
14) Center: $(3, 1)$ & Circumference of 10π



16) Center $(1, -4)$ & Tangent to $x = 5$



17) Center: $(0, 0)$ & Tangent to $y = -3$



18) Inscribed in the system of
 $y = 3, y = 7, x = 1, \text{ \& } x = 5$

