

3-7-18 5th Geo

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

Circle

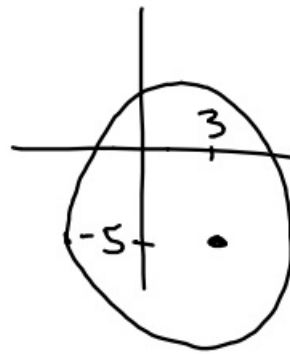
Center = (h, k)

radius = r

$$\textcircled{1} (x-3)^2 + (y+5)^2 = 36$$

Center = $(3, -5)$

radius = 6



$$\textcircled{2} (x+3)^2 + (y-1)^2 = 49$$

Center = $(-3, 1)$

radius = 7

$$\textcircled{3} (x+3)^2 + y^2 = 100$$

Center = $(-3, 0)$

radius = 10

④ Center = $(-4, 9)$

radius = 5

Equation: $(x+4)^2 + (y-9)^2 = 25$

⑤ Center = $(0, -6)$

radius = 4

$x^2 + (y+6)^2 = 16$

⑥ Center = $(0, 0)$

Radius = 1

$x^2 + y^2 = 1$

3-7-18 6th Geo

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

Circle

$$\text{center} = (h, k)$$

$$\text{radius} = r$$

$$\textcircled{1} \quad (x-4)^2 + (y+3)^2 = 25$$

$$\text{center} = (4, -3)$$

$$\text{radius} = 5$$

$$\textcircled{2} \quad (x+3)^2 + (y-10)^2 = 49$$

$$\text{center} = (-3, 10)$$

$$\text{radius} = 7$$

$$\textcircled{3} \quad (x-3)^2 + y^2 = 100$$

$$\text{center} = (3, 0)$$

$$\text{radius} = 10$$

$$\textcircled{4} \quad \text{center} = (-3, 7)$$

$$\text{radius} = 9$$

$$(x+3)^2 + (y-7)^2 = 81$$

⑤ Center = $(-1, -8)$

radius = 5

$$(x+1)^2 + (y+8)^2 = 25$$

⑥ Center = $(0, 0)$

radius = 1

$$x^2 + y^2 = 1$$