

September 20, 2017

* Equation of a Circle in Standard Form

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

* Center: (h, k)

* Radius: r

$(h, k) = (0, 0) \Rightarrow (x-0)^2 + (y-0)^2 = 1^2$
 $x^2 + y^2 = 1$

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#9) $(x-1)^2 + (y+3)^2 = 25$

$h = +1$ & $k = -3$

$$(x-1)^2 + (y-(-3))^2 = (5)^2$$

$$(x-1)^2 + (y+3)^2 = r^2$$

Center: $(1, -3)$
 Radius: 5

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Center: $(h, k) = (1, -1)$

Radius: 6

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

$$(x-1)^2 + (y+1)^2 = 36$$

Sep 20-8:46 AM