

7. If the center of a circle is $(-3, 5)$ and its radius is 6, then the standard form of the equation for this circle is:

Note: x: horizontal axis, d: vertical axis

$$(3 + x)^2 + (-5 + d) = 36$$

$$(-3 + x)^2 + (5 + d)^2 = 6$$

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Solution

This circle has the center $(-3, 5)$ with radius 6
So, it has the equation:

$$(3 + x)^2 + (-5 + d)^2 = 36$$

