

3. If the center of a circle is $(-3, -1)$ and its radius is 3, then the standard form of the equation for this circle is:

Note: m: horizontal axis, d: vertical axis

$$(3 + m)^2 + (1 + d) = 9$$

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Solution

This circle has the center $(-3, -1)$ with radius 3
So, it has the equation:

$$(3 + m)^2 + (1 + d)^2 = 9$$

