

3. If the center of a circle is $(5,0)$ and its radius is 3, then the standard form of the equation for this circle is:

Note: k: horizontal axis, a: vertical axis

$$(-5 + k)^2 + (a) = 9$$

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Solution

This circle has the center $(5,0)$ with radius 3
So, it has the equation:

$$(-5 + k)^2 + (a)^2 = 9$$

