

6. If the center of a circle is $(6, -2)$ and its radius is 6, then the standard form of the equation for this circle is:

Note: v: horizontal axis, q: vertical axis

$$(-6 + v)^2 + (2 + q) = 36$$

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Solution

This circle has the center $(6, -2)$ with radius 6
So, it has the equation:

$$(-6 + v)^2 + (2 + q)^2 = 36$$

