

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

Note: y: horizontal axis, x: vertical axis

$$(-5 + y)^2 + (-6 + x) = 36$$

$$(5 + y)^2 + (6 + x)^2 = 6$$

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Solution

This circle has the center (5,6) with radius 6

So, it has the equation:

$$(-5 + y)^2 + (-6 + x)^2 = 36$$

