

8. If the center of a circle is  $(-1,0)$  and its radius is 3, then the standard form of the equation for this circle is:

**Note:** g: horizontal axis, d: vertical axis

$$(1 + g)^2 + (d) = 9$$

$$(-1 + g)^2 + (d)^2 = 3$$

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### Solution

This circle has the center  $(-1,0)$  with radius 3  
So, it has the equation:

$$(1 + g)^2 + (d)^2 = 9$$

