3. If the center of a circle is (-1,3) and its radius is 3, then the standard form of the equation for this circle is: Note: y: horizontal axis, e: vertical axis $(1+y)^2 + (-3+e) = 9$

$$(-1 + y)^{2} + (3 + e)^{2} = 3$$

$$(1 + y)^{2} + (-3 + e)^{2} = 9$$

$$(-1 + y)^{2} + (3 + e)^{2} = 9$$
Solution

This circle has the center (-1,3) with radius 3

So, it has the equation: $(1 + y)^2 + (-3 + e)^2 = 9$

