4. If the center of a circle is (1,3) and its radius is 6, then the standard form of the equation for this circle is:
Note: m: horizontal axis, n: vertical axis

$(-1 + m)^2 + (-3 + n) = 36$

$(1 + m)^2 + (3 + n)^2 = 6$

$(-1 + m)^2 + (-3 + n)^2 = 36$

$(1 + m)^2 + (3 + n)^2 = 36$

Solution

This circle has the center (1,3) with radius 6
So, it has the equation:

$(-1 + m)^2 + (-3 + n)^2 = 36$