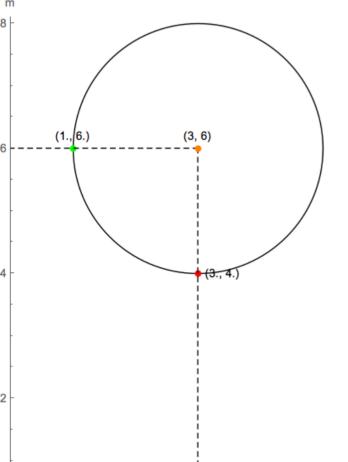
9. If the center of a circle is (3,6) and its radius is 2, then the standard form of the equation for this circle is: Note: v: horizontal axis, m: vertical axis  $(-3 + v)^2 + (-6 + m) = 4$ 

$$(3+v)^{2}+(6+m)^{2}=2$$

$$(3+v)^{2}+(-6+m)^{2}=4$$

$$(3+v)^{2}+(6+m)^{2}=4$$
Solution
This circle has the center (3,6) with radius 2

So, it has the equation:  $(-3 + v)^2 + (-6 + m)^2 = 4$ 



2