then the standard form of the equation for this circle is: Note: k: horizontal axis, z: vertical axis  $(-2 + k)^2 + (3 + z) = 4$ 

2. If the center of a circle is (2,-3) and its radius is 2,

$$(2 + k)^{2} + (-3 + z)^{2} = 2$$

$$(-2 + k)^{2} + (3 + z)^{2} = 4$$

$$(2 + k)^{2} + (-3 + z)^{2} = 4$$
Solution
This circle has the

-5

This circle has the center (2,-3) with radius 2So, it has the equation:  $(-2 + k)^2 + (3 + z)^2 = 4$ 

