5. If the center of a circle is
$$(4,3)$$
 and its radius is 5, then the standard form of the equation for this circle is:
Note: e: horizontal axis, d: vertical axis
$$(-4+e)^2+(-3+d)=25$$

., 3.)

Solution
This circle has the center
$$(4,3)$$
 with radius 5
So, it has the equation:
$$(-4+e)^2 + (-3+d)^2 = 25$$

 $(4 + e)^2 + (3 + d)^2 = 5$

2

-2

 $(-4 + e)^2 + (-3 + d)^2 = 25$