8. If the center of a circle is (6,4) and its radius is 5, then the standard form of the equation for this circle is:
Note: n: horizontal axis,   f: vertical axis

$(-6 + n)^2 + (-4 + f) = 25$

$(6 + n)^2 + (4 + f)^2 = 5$

$(-6 + n)^2 + (-4 + f)^2 = 25$

$(6 + n)^2 + (4 + f)^2 = 25$

Solution

This circle has the center (6,4) with radius 5
So, it has the equation:

$(-6 + n)^2 + (-4 + f)^2 = 25$