4. If the center of a circle is (5,1) and its radius is 2, then the standard form of the equation for this circle is:
Note: z: horizontal axis, q: vertical axis

$(-5 + z)^2 + (-1 + q) = 4$

$(5 + z)^2 + (1 + q)^2 = 2$

$(-5 + z)^2 + (-1 + q)^2 = 4$

$(5 + z)^2 + (1 + q)^2 = 4$

Solution

This circle has the center (5,1) with radius 2
So, it has the equation:

$(-5 + z)^2 + (-1 + q)^2 = 4$