4. If the center of a circle is $(2,-1)$ and its radius is 6, then the standard form of the equation for this circle is:
Note: t: horizontal axis, y: vertical axis

$(-2 + t)^2 + (1 + y) = 36$

$(2 + t)^2 + (-1 + y)^2 = 6$

$(-2 + t)^2 + (1 + y)^2 = 36$

$(2 + t)^2 + (-1 + y)^2 = 36$

Solution

This circle has the center $(2,-1)$ with radius 6
So, it has the equation:

$(-2 + t)^2 + (1 + y)^2 = 36$