Solve and show all steps.

What is the equation of the circle with its center at (−4,1) and tangent to the line y=−2?	Show all steps here
Find the equation of the circle with center at (0,−5) and tangent to the line x=3.	Show all steps here
A circle has its center at (6,0) and is tangent to the y-axis. What is its equation?	Show all steps here
What is the equation of the circle with its center at (−1,−8) and tangent to the line y=−12?	Show all steps here
Find the equation of the circle whose center is (5,−3) and is tangent to the line x=1.	Show all steps here

Solve and show all steps.

$$(x + 4)^2 + (y - 1)^2 = 9$$

$$x^2 + y^2 + 8x - 2y + 8 = 0$$

$$x^2 + (y + 5)^2 = 9$$

$$x^2 + y^2 + 10y + 16 = 0$$

$$(x - 6)^2 + y^2 = 36$$

$$x^2 + y^2 - 12x = 0$$

$$(x + 1)^2 + (y + 8)^2 = 16$$

$$x^2 + y^2 + 2x + 16y + 49 = 0$$

$$(x - 5)^2 + (y + 3)^2 = 16$$

$$x^2 + y^2 - 10x + 6y + 18 = 0$$