

Correct. Substitute the slope -4 into the equation $y = mx + b$: $y = -4x + b$

Substitute the coordinates of the point $(-3, 15)$ for x and y : $15 = -4(-3) + b$

Solve for b : $15 = 12 + b$, so $3 = b$

The y -intercept of the line is 3 .