

Correct. Find the slope using the given points: $\frac{3 - 6}{-2 - (-8)} = -\frac{3}{6} = -\frac{1}{2}$

Substitute the slope (m) into $y = mx + b$: $y = -\frac{1}{2}x + b$

Substitute either point for x and y : $3 = -\frac{1}{2}(-2) + b$

Solve for b : $3 = 1 + b$, or $2 = b$