Correct. Find the slope using the given points: $\dfrac{-10-(-4)}{-6-12}=\dfrac{-6}{-18}=\dfrac{1}{3}$

Substitute the slope (m) into $y = mx + b$: $y = \dfrac{1}{3}x + b$

Substitute either point for x and y: $-10 = \dfrac{1}{3}(-6) + b$

Solve for b: $-10 = -2 + b$, so $-8 = b$