

Correct. The slope of the given line is $-\frac{1}{3}$. A parallel line has the same slope, so its equation has the form:

$$y = -\frac{1}{3}x + b$$

To find b , substitute $(9, -7)$ for x and y :

$$-7 = -\frac{1}{3}(9) + b, \text{ or } -7 = -3 + b, \text{ so } -4 = b$$