

Correct. The slope of  $y = -3x - 4$  is  $-3$ , so any line perpendicular to it will have slope  $\frac{1}{3}$  (the opposite reciprocal of  $-3$ ). The equation  $y + 5 = \frac{1}{3}(x - 2)$  is the point slope form of the line with slope  $\frac{1}{3}$  that goes through  $(2, -5)$ .