


August 26, 2016
 * Quiz #1 Monday

Aug 26-10:57 AM

$(x_1, y_1) = (3, -4)$ & $(x_2, y_2) = (27, 24)$

 ① Slope: $\frac{y_2 - y_1}{x_2 - x_1}$
 $= \frac{(24) - (-4)}{(27) - (3)}$
 $= \frac{24 + 4}{24} = \frac{28}{24} = \frac{7}{6}$
 ② $y = mx + b$
 $y - y_1 = m(x - x_1)$
 $y = mx + b \rightarrow y = \frac{7}{6}x - \frac{11}{6}$
 $-4 = \left[\frac{7}{6} \cdot 3\right] + b$
 $-4 = \frac{7}{2} + b$
 $-\frac{4}{1} - \frac{7}{2} = b$
 $\frac{-2y - 21}{6} = b$
 $\frac{(-2) + (-21)}{6} = b$
 $-\frac{23}{6} = b$
 $y = \frac{7}{6}x - \frac{23}{6}$
 $6y = 7x - 23$
 $7x - 6y = 23$

Aug 26-11:09 AM