October 7, 2016

$(4, -7)$ & $(5, -2)$

① Q I, R IV, Pos

② $m = \frac{y_2 - y_1}{x_2 - x_1}$

$= \frac{(-2) - (-7)}{(5) - (4)}$

$= \frac{-2 + 7}{1}$

$= \frac{5}{1}$ Rise / Run

$m_2 = \frac{(-7) - (-2)}{(4) - (5)}$

$= \frac{-7 + 2}{-1}$

$= \frac{-5}{-1}$

$= \frac{5}{1}$

Oct 7-9:00 AM

$(-6, 5)$ & $(8, -9)$

① y, x, Neg.

② $m = \frac{(-7) - (5)}{(8) - (-6)}$

$= \frac{-14}{8+6}$

$= -\frac{14}{14}$

+14, -14, +1, -1

Oct 7-9:16 AM

$(-6, 5)$ & $(8, -9)$

$(8-1, -9+1) = (7, -8)$

+1, -1, +1, -1

$m = \frac{1}{-1}$, $m = \frac{-1}{1}$

$(8+1, -9-1) = (9, -10)$

Oct 7-9:26 AM

$(\frac{1}{2}, 5)$ & $(\frac{3}{4}, -2)$

① +1, -1, Neg.

② $m = \frac{(-2) - (5)}{(\frac{3}{4}) - (\frac{1}{2})}$

$= \frac{-7}{\frac{3-2}{4}}$

$= \frac{-7}{\frac{1}{4}}$

$= -7 \cdot \frac{4}{1}$

$= -\frac{28}{1}$

Oct 7-9:32 AM