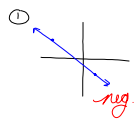


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$(x_1, y_1) \neq (x_2, y_2)$
 $(-8, 5) \neq (2, -3)$

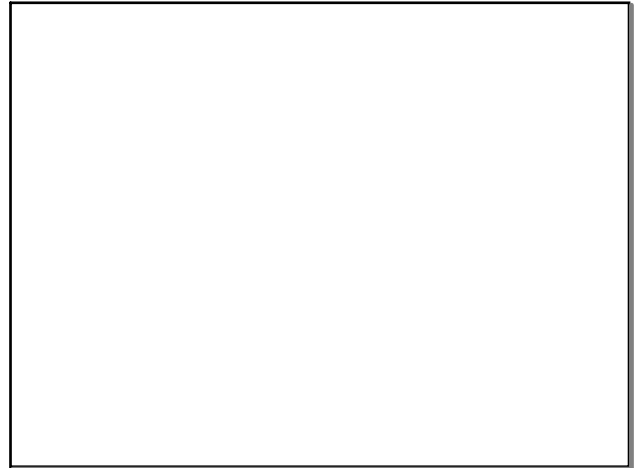
①  ② $m = \frac{(y_2) - (y_1)}{(x_2) - (x_1)}$
 $= \frac{-3 - 5}{2 - (-8)}$
 $= \frac{-3 - 5}{2 + 8}$
 $= \frac{-8}{10}$
 $= -\frac{4}{5}$

$(-8 + (-3), 5 + (-4))$
 $(-11, 1)$

$(-8, 5)$

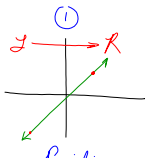
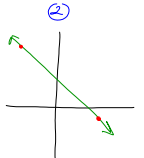
$(-8 + 5, 5 + (-4))$
 $(-3, 1)$

Feb 28-9:05 AM



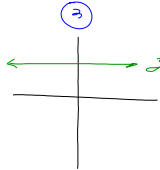

Feb 28-9:41 AM

The Direction of the Slope

①  ② 

Positive - "+"

Negative Slope - "-"

③  ④ 

* undefined slope
 e.g. $\frac{3}{0}$

Feb 28-9:12 AM

$(x_1, y_1) \neq (x_2, y_2)$
 $(5, -9) \neq (-3, -2)$

$(-3 + (-8), -2 + 7)$
 $(-11, 5)$

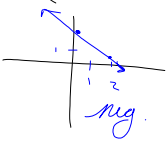
$m = -\frac{7}{8}$

$(-3, -2)$

$(-3 + 8, -2 + (-7))$
 $(5, -9)$

Feb 28-9:32 AM

$(x_1, y_1) \neq (x_2, y_2)$
 $(\frac{1}{4}, 5) \neq (2, \frac{3}{4})$

 $m = \frac{(\frac{3}{4}) - (5)}{(2) - (\frac{1}{4})}$
 $= \frac{3 - 20}{4}$
 $= \frac{8 - 1}{4}$
 $= \frac{-17}{4}$
 $= -\frac{17}{4} \cdot \frac{1}{1} = -\frac{17}{4}$

Feb 28-9:46 AM