

BE-1A TUESDAY 1-18-11

① SOLVE: $\frac{2}{5}X = 9$

② SIMPLIFY: $\frac{2}{5} + \frac{1}{3}$

③ DEFINE SLOPE. WHAT VARIABLE DO WE USE FOR SLOPE?

④ Find the slope of the line through $(-2, -5), (7, 8)$

④ $(-2, -5), (7, 8)$
 $x_1, y_1 \quad x_2, y_2$

Review Homework:
Pg. 259 # 1-10

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{8 - (-5)}{7 - (-2)} = \boxed{\frac{13}{9} = m}$$

RATE A RATIO WHERE THE NUMERATOR AND DENOMINATOR HAVE DIFFERENT UNITS:

EX) $\frac{\text{miles}}{\text{hours}}$, $\frac{\text{dollars}}{\text{year}}$, etc

When the X values and y values have different units, then slope will have units but they will be different in the top and bottom.

SEE EXAMPLE 6 Pg. 258.

CLASSWORK / GROUPWORK => Pg 260 #17-29 odds plus # 35

HOMEWORK => Pg 260 # 18-30 evens plus # 36.