

BE-1A Thursday 1-14-10

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 / Graphwork $\Rightarrow$ Pg 260 #17-29 odds
plus # 35

Homework $\Rightarrow$ Pg 260 # 18-30 evens plus # 36.