

BE-Algebra 1

TUESDAY 9-1-09

① $\left(\frac{2}{3} \cdot \frac{1}{4}\right)^2$

② $\frac{2}{3} \div \frac{1}{4}$

③ $\frac{2}{3} + \frac{1}{4}$

④ Write in set notation, the set of odd numbers beginning at 1.

In order to ADD (or subtract) fractions
COMBINE

like $\frac{2}{3}$ and $\frac{1}{4}$ they must have the same denominators to be "like" terms.

$$\frac{2}{3} + \frac{1}{4}$$

$$\frac{\quad}{12} + \frac{\quad}{12} = \frac{\quad}{12}$$

$$\frac{8}{12} + \frac{3}{12} = \boxed{\frac{11}{12}}$$

$\frac{2}{3} \cdot \frac{4}{4}$ $\frac{1}{4} \cdot \frac{3}{3}$

— Practice —>

Summary of Fraction Rules:

$+$, $-$	common denominator
$\cdot$	$\frac{\text{tops} \cdot \text{tops}}{\text{bottoms} \cdot \text{bottoms}}$
$\div$	flip and multiply the bottom

When needed, change any integer to a fraction by putting it over 1

- SINK THE SUB PRACTICE

(*) Other NAMES FOR (X, Y)

(d, r)

domain, range

(IV, DV)

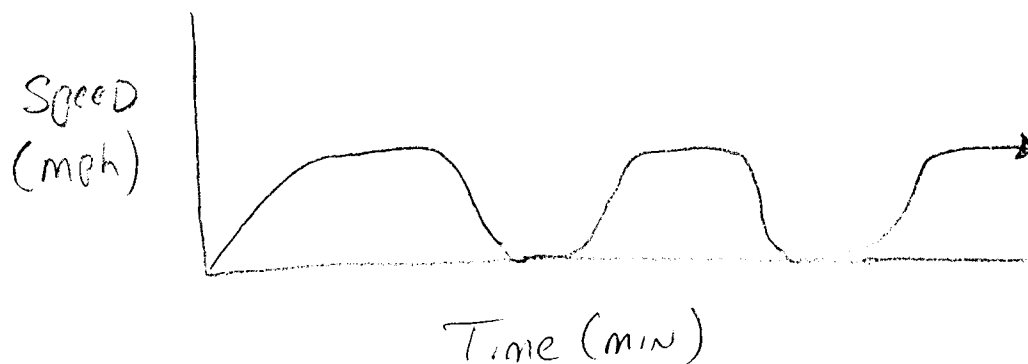
independent, dependant
variable variable

(*) X drives THE SHOW

(*) RELATION A SET OF ordered PAIRS

Analyzing Graphs:

EX3 School Bus on Morning Route
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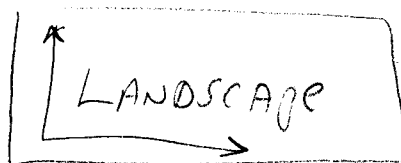


- Time will usually be the independent variable (the X axis)
- Describe what is happening. Is the graph realistic? / EX 3b ? Explain
SPACE SHUTTLE GRAPH

Homework: Make a graph of speed vs time for one of your typical school days from wakeup to finishing homework at end of day.

Label Key
Speed
changes

Speed



QUADRANT I

time