

March 25, 2011

5 days and counting!

Class starts in

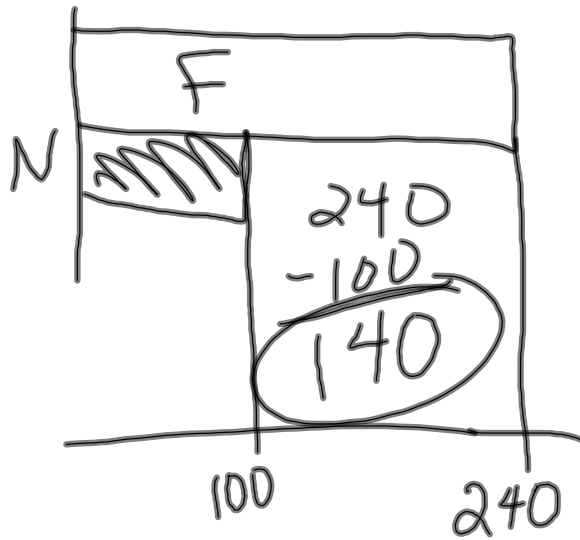


Please be ready.

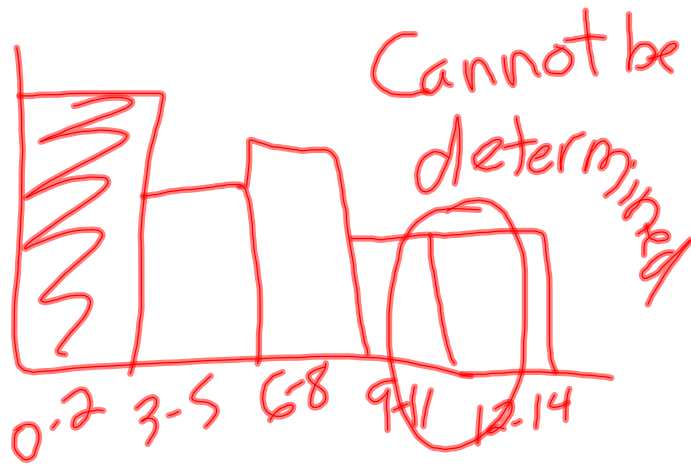
Today's Agenda ~
MCA corrections
Homework corrections
Mark notebooks
8.2.2 / 8.2.3

Homework: Turn in notebooks

13
5

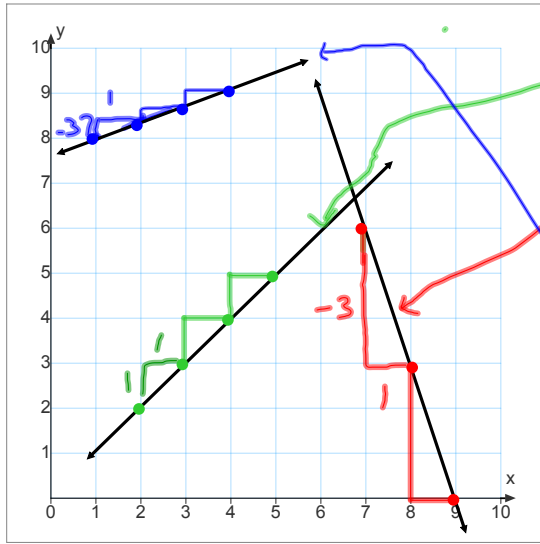


7

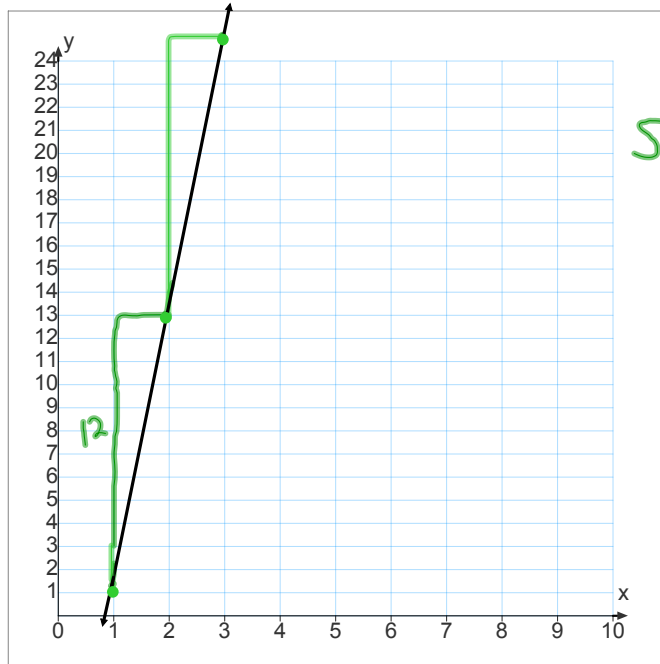


5

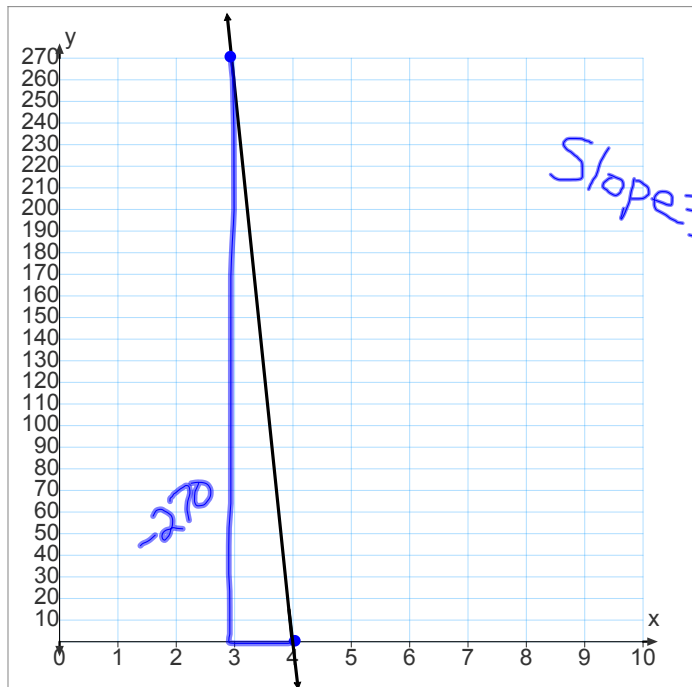
# of Books	Frequency
0	1 1 2
1	5
2	4
3	3
4	0
5	1 1



21) Slope = $\frac{1}{1}$
 23) Slope = $\frac{-3}{1}$
 24) Slope = $\frac{37}{1}$



22) Slope = $\frac{12}{1}$



Slope = $\frac{-270}{1}$

Share & Summarize

1. How are the graphs in Exercises 8-13 different from the graphs in Exercises 1-7?

1-7 1 ↘ 8-13 ↗

2. How is the rule in Exercises 1-7 different from the rules in Exercises 8-13? How are they the same?

- # = slope ↘ + # slope ↗

3. Explain how the differences in the rules relate to the differences in the graphs.

↘ ↗ +

Investigation 3 Describe Graphs

Vocabulary

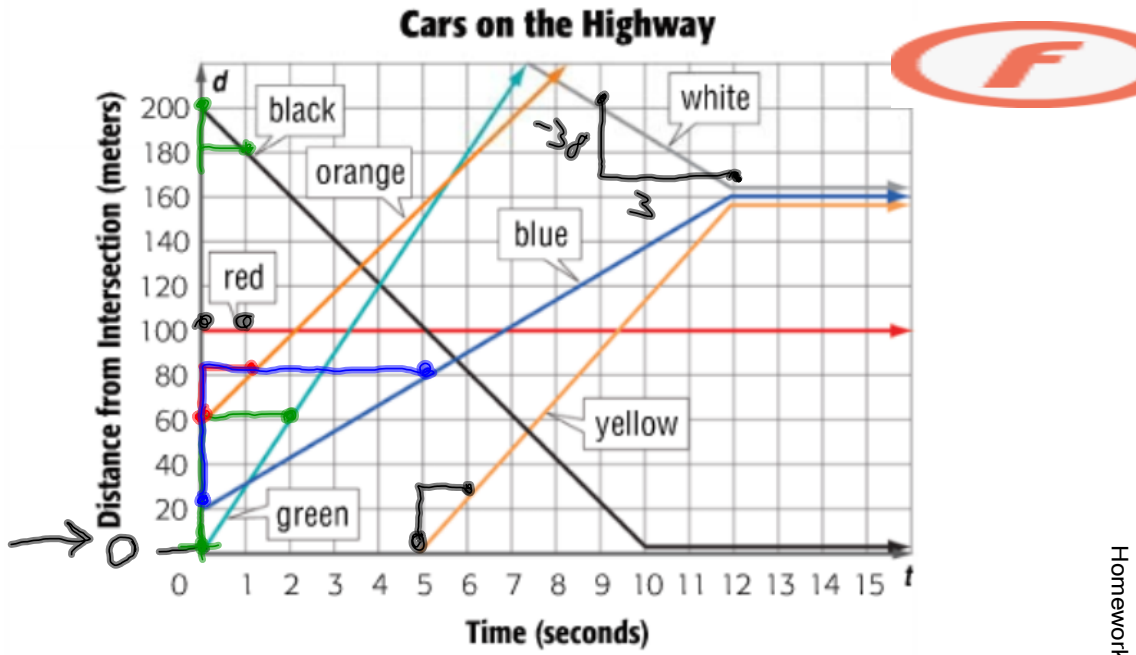
speed

velocity

Some rates vary. For example, if you count your pulse for one minute and then count it for another minute, you will probably get different results. It is normal for pulse rates to fluctuate, or change.

At least for a while, you would expect other rates to be fixed, or stay the same. For example, if your employer said your pay rate was \$7 per hour, you would expect to earn that for each hour you work.

In this investigation, you will inspect the graphs below to find the directions, speeds, and relative locations of a group of cars along a particular highway.



Homework is on pages 402 - 409

1. In what direction is each car moving in relation to the intersection?

black *towards, stops* white
orange red
blue yellow
green

2. Compare the cars' speeds.

black $\frac{-20}{1} = -20 \text{ mps}$ white $\frac{-39}{3} = -13 \text{ mps}$
orange $\frac{20}{1} = 20 \text{ mps}$ red $\frac{0}{1} = 0 \text{ mps}$
blue $\frac{60}{5} = 12 \text{ mps}$ yellow $\frac{25}{1} = 25 \text{ mps}$
green $\frac{60 \text{ m}}{2 \text{ s}} = 30 \text{ mps}$

3. Do any of the cars stop during their trips? If so, which cars?

Red, yellow, black, white, blue

GOAL