

Homework # 13

Assignment:

Finish letter cube problem by Monday
Assignment on Last Slide for tomorrow.



Date: 09/10/09
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Bell Work

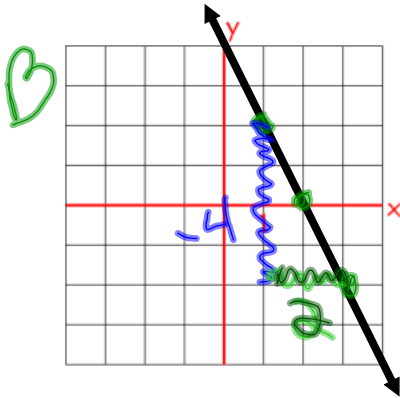
Directions: Please determine the slope of the line that connects the following two points.

$(2, -3)$ & $(-5, -8)$

(Handwritten: x_1, y_1 and x_2, y_2 with arrows pointing to the coordinates)

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

Directions: Please determine the slope of the line below.



$$\frac{-8 - (-3)}{-5 - 2}$$

$$\frac{-5}{-7} = \frac{5}{7}$$

Answers ✓

$$\frac{-4}{2} = (-2)$$

Bell Work

In the game of *Letter Cubes*, a different letter of the alphabet is on each face of each of the 4 cubes so that 24 of the 26 letters of the alphabet, including J, occur. Words are formed by rearranging and turning the cubes so that the top letters spell a common 4-letter word. The 14 words below have been made using today's cubes. Can you recover the 6 letters on each?

1. CAVE
2. CLEF
3. DUPE
4. FARE
5. FLUB
6. GREW
7. HAZY
8. KITH
9. LOIN
10. POEM
11. RASP
12. SMUG
13. TIRE
14. VARY

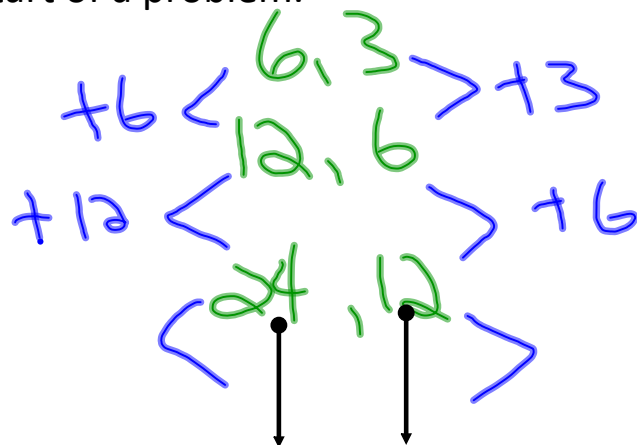
Essential QuestionsObjectives/Skills

1. The students will approach a logic problem.
2. The students will review slope.

Essential Question/Objectives

Example of Homework problem on last slide

This is the start of a problem.



You can start on any point you want.

Slope

$$\frac{3}{6} = \frac{1}{2}$$

$$\frac{6}{12} = \frac{1}{2}$$

$$y = x$$

Example of Homework

Time Table

→	0-5	Bell Work
→	5-10	
→	10-20	Letter Cube Problem Guided
→	20-30	Letter Cube Problem/Check Homework
→	30-40	Go Over Homework
→	40-50	Slope
→	50-60	
→	60-70	
→	70-80	
→	80-90	



"If you fail to plan, then you plan to fail"

Time Table

Homework

Without Graphing Name 10 points that when graphed form a straight line.

They must all be of varying distances apart. Show your work.

NO slope = 1

Homework