Constant Rate of Change

HW Review?

 What issue were the students (and teacher) struggling with?

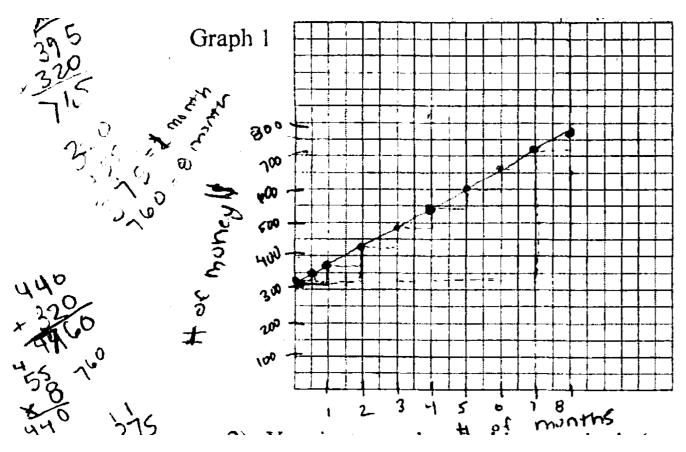
A quick task

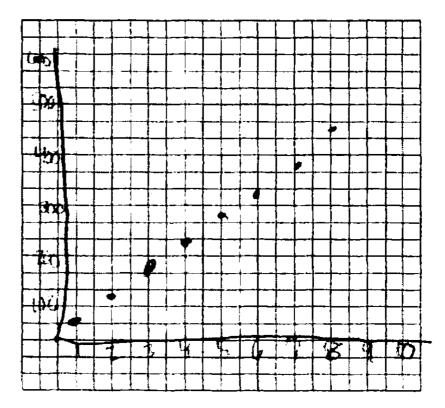
- I'm trying to save up for a big screen TV. I make the decision to have \$55 of each monthly paycheck go towards the TV savings fund (previously my rainy day fund). After 4 paychecks, I have a total of \$540.
 - a) How much money did I have in my savings account when I first decided to make it a TV fund?
 - c) Sketch a graph that shows how much money I have saved at each moment in time during the first 8 months after I make the change.

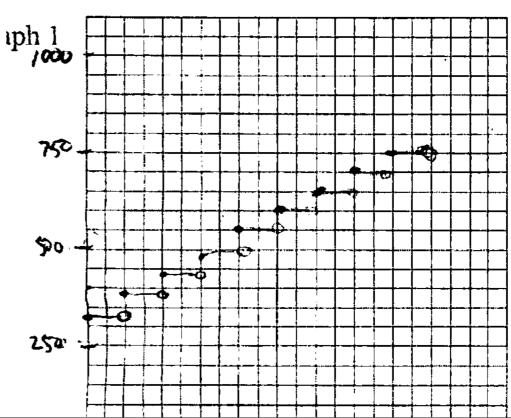
A quick task

- I'm trying to save up for a big screen TV. I make the decision to have \$55 of each monthly paycheck go towards the TV savings fund (previously my rainy day fund). After 4 paychecks, I have a total of \$540.
 - a) How much money did I have in my savings account when I first decided to make it a TV fund?
 - c) Sketch a graph that shows how much money I have saved at each moment in time during the first 8 months after I make the change. Be sure to think about how much money I have saved between paychecks.

Student Answers

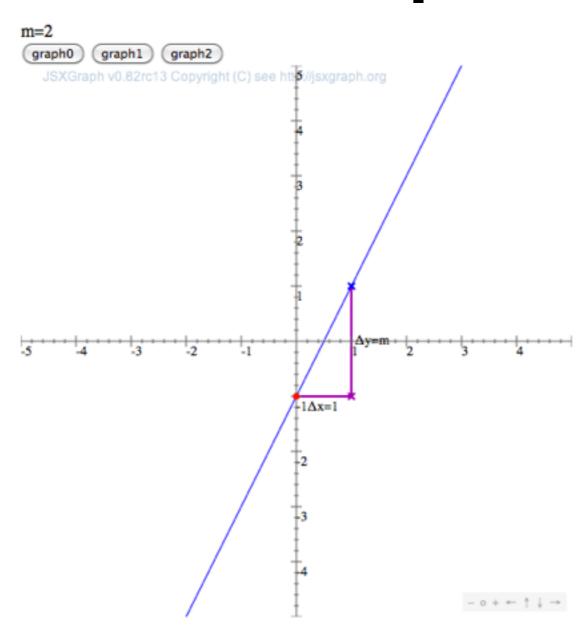






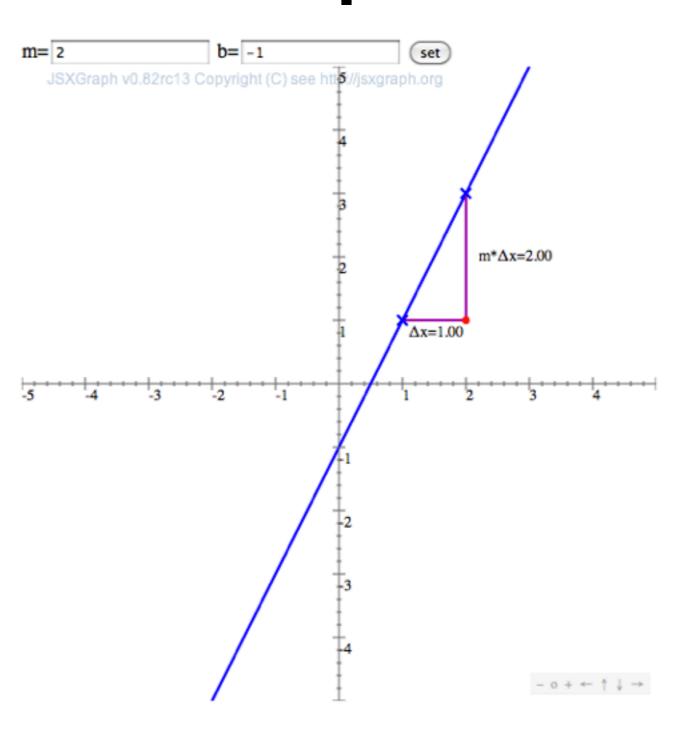
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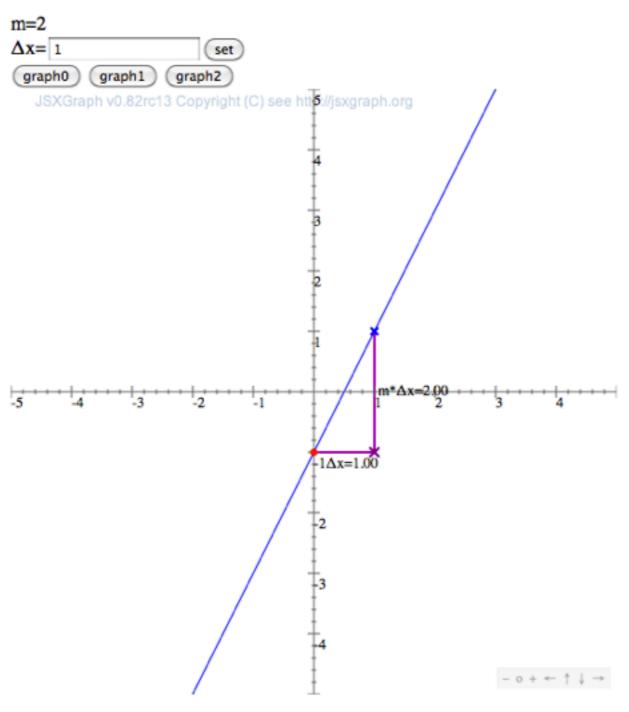


https://www.math.ksu.edu/~cwcg/demo/meaning_of_slope/

Slope



Testing the new meaning of slope



- 7 minutes after I checked my watch, I'm 3.8 miles from home
- I'm walking at 1/2 mile per minute (away from home)
- How far from home was I when I checked my watch?



- 7 minutes after I checked my watch, I'm 3.8 miles from home
- I'm walking at 1/2 mile per minute (away from home)
- How far from home was I when I checked my watch?



- j minutes after I checked my watch, I'm k miles from home
- I'm walking at **h** miles per minute (away from home)
- Write an expression for distance from home as a function of time.

