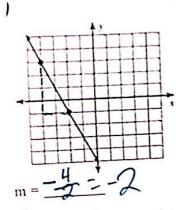
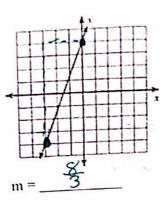
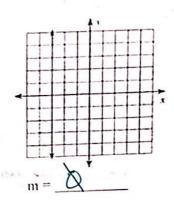
Unit 3A Day 11: Review Rate of Change

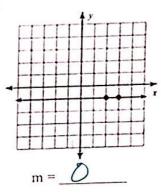
Focus Question: Can I find slope from multiple representations?

I can find slope from a graph.









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×	-111	-1.70 47
	0	. 1
	1	3
	2	5

	2	5
, –	2	
m =		-0

X	Y	_
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0	4	_
4	2	
8	0	
12	-2	

	-2		1
m =	4	01-	Ź
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Γ	X	Y	
	-4	4	
+3	-1	3] '
	2	2	
	5	1	
	8	0	

$$m = \frac{-1}{3}$$

Г	X	Y	\neg
_	6	2	to
-3	3	. 2]
	0	2	
	-3	2	
	-6	2	

$$m = \frac{0}{3} = 0$$

(4, 4) and (13, -5)

I can find slope given two points.

What is the formula for slope?

I can put rate of change in order from least to greatest. Goes through (1, 2) and

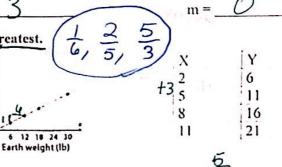
$$\frac{4-2}{6-1} = \frac{2}{5}$$

$$\begin{array}{c}
(4,2) \\
x_1 y_1 \\
y_2 \\
6-4 \\
m = -1
\end{array}$$

$$(4, 2)$$
 and $(6, 8)$
 $x_1 y_1$ y_2
 $8-2 = 6$
 $6-4$ $= 7$

$$m = 3$$
set to greatest. $(6, 5, 3)$

$$(6, 5, 3)$$



I can find rate of change from a word problem. Mrs. Burke talked to Pizza Hut about pizza for her class reward party. They said that delivery was \$10 and that each pizza would cost \$4. Find the rate of change. \$ 4 per pizza Donald wanted to learn Spanish. He only knew 10 words. He ordered Rosetta Stone and after using the program for 2 weeks he now knows 470 words. Find the rate of change. He learned 460 words in 2 weeks or = = 230 IV: Weeks DV: WOODS 230 words per week George's parents are trying to decide how many phone lines to put on their family plan. If they put only two lines, it will cost \$90 a month. If they decide to get one for everyone in the family, 5 lines would cost \$210 a 2 lines + 3 5 lines \$ 40 per line month. Find the rate of change. DV: phone lines I can compare rate of change from different representations. Two schools are selling giant Hershey's bars to raise money for their band trip. Which school is charging more? School A Candy Bars Charge Bought 3.50 +1 10.50 10 14 17.50 8 School B 6 5 4 School Air charging more 3 per cordy bor 3 2