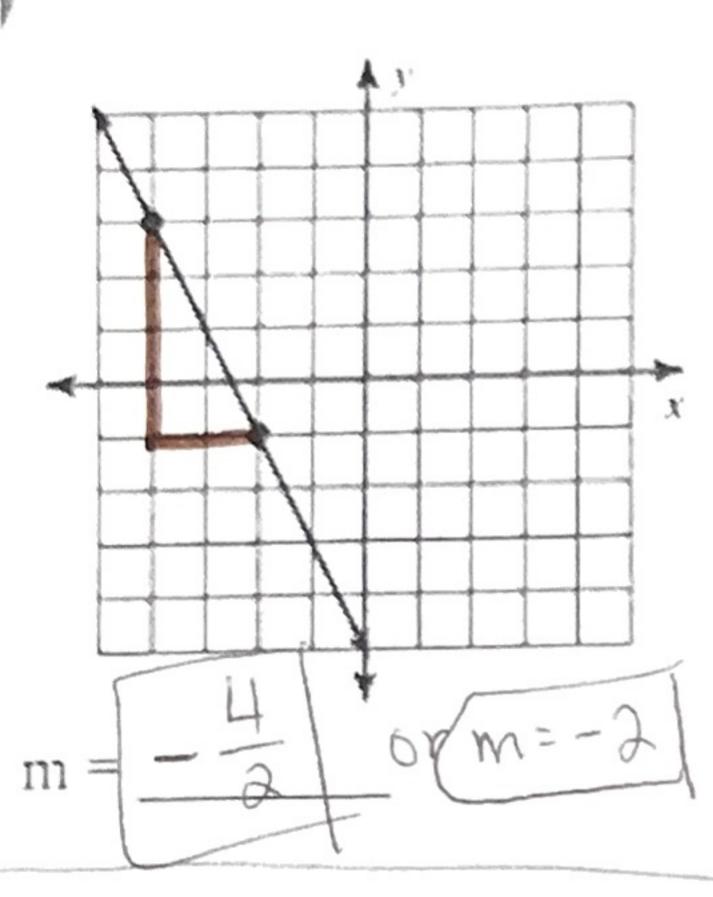
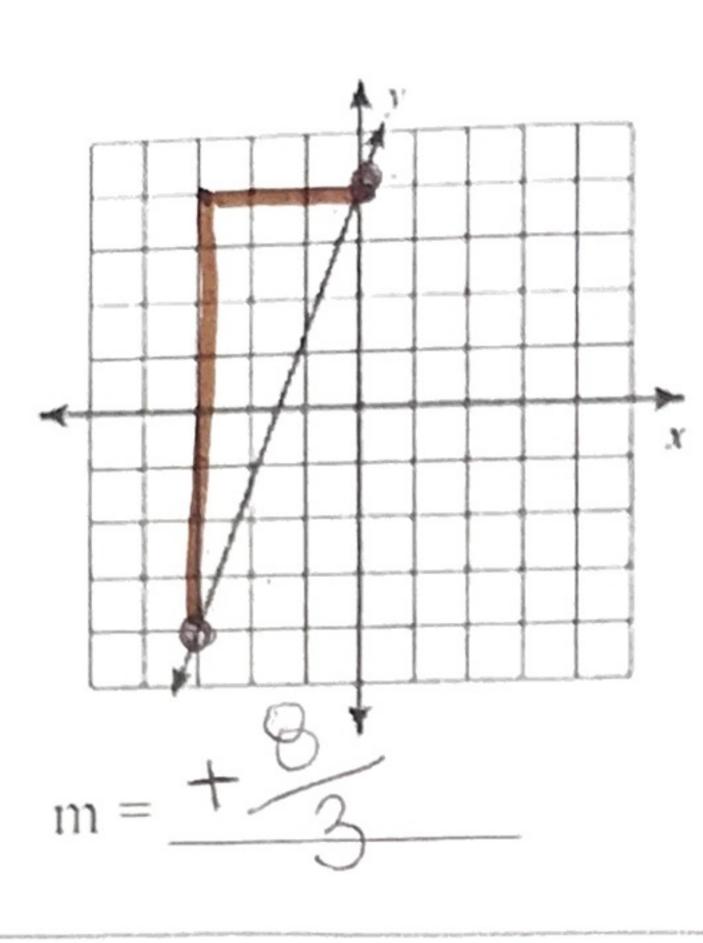
Name: Date: ____ Hour: ____

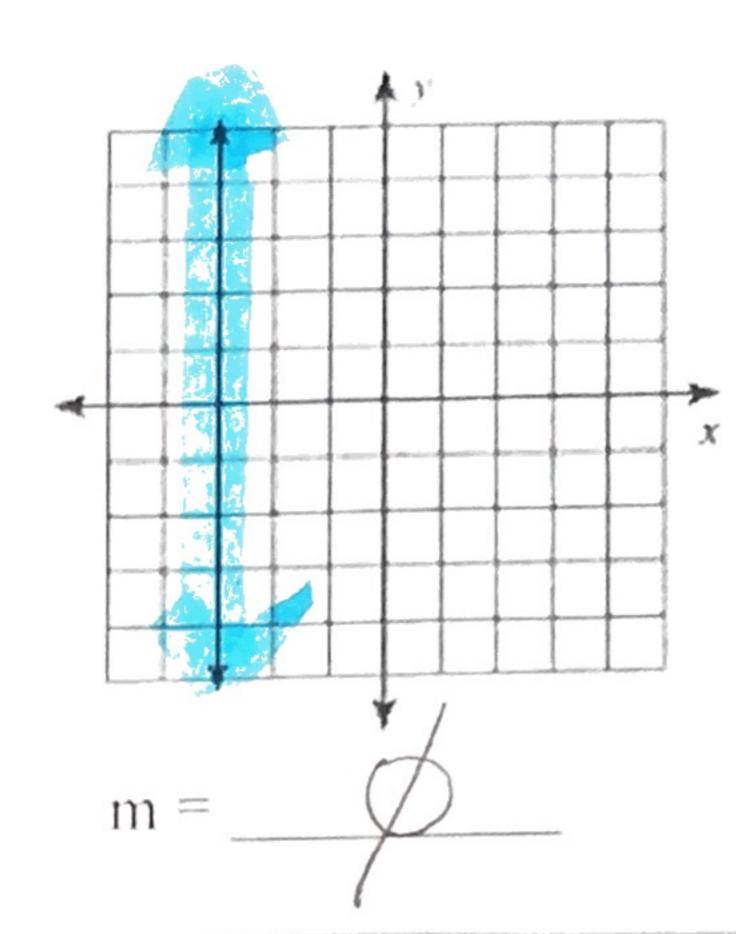
Unit 3A Day 11: Review Rate of Change

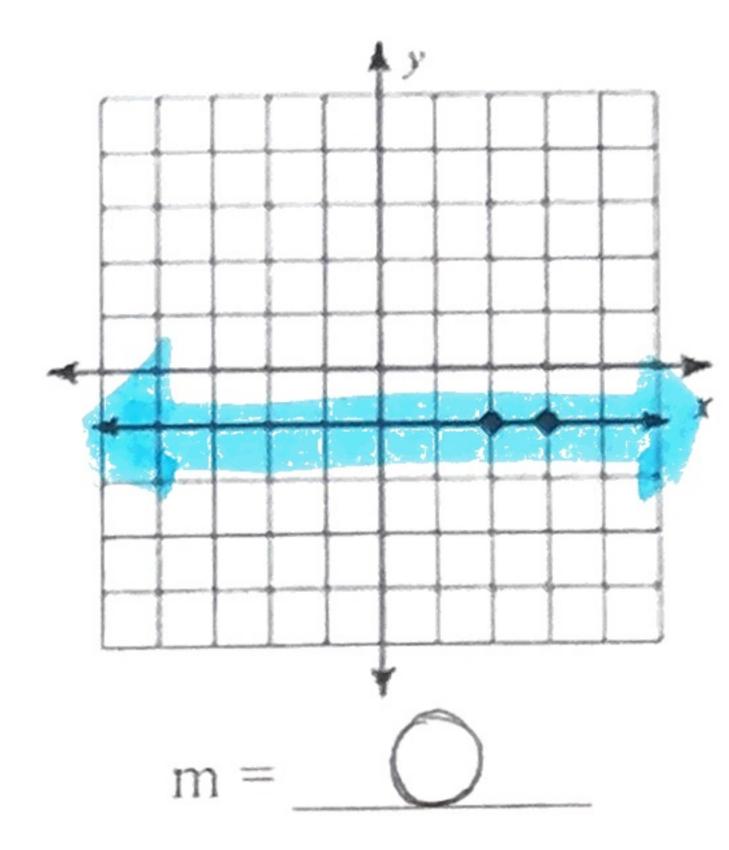
Focus Question: Can I find slope from multiple representations?

I can find slope from a graph. _____









I can find slope from a table.

,			
	X	Υ	
	-2	-3	
	-1	-1	
L L	. 0	1	. +7
	1	3	+2
+(2	5	
i	1 WIL	2/	

1	2	5 ;	
i	Ay +	2/ 5-	7
m	= AX	1	X1

	X	Υ	
	-4	6 .	-7-
	0	4	2
. 1	4	2	-2
11	8	0	
+7	12	-2	

$$m = \frac{\Delta y}{\Delta x} \left[\frac{2}{4} \right] - \left[\frac{-1}{2} \right]$$

	Χ	Υ	
	-4	4 .	-1
	-1	3	-1
	2	2	-1
13	5	1	-1
3	8	0	

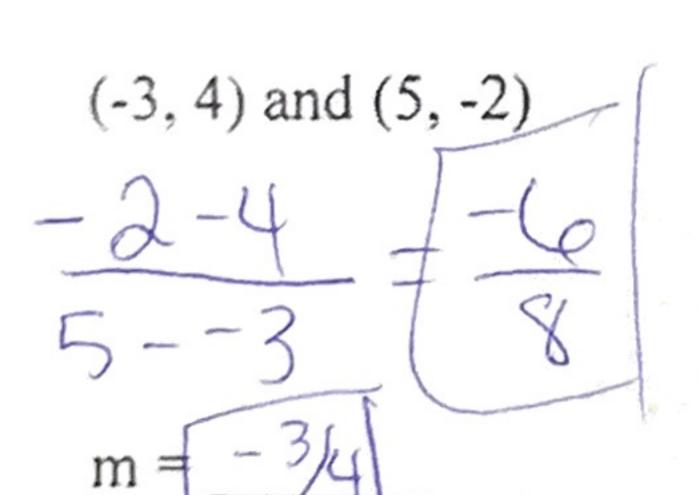
m =	AY	-1/3

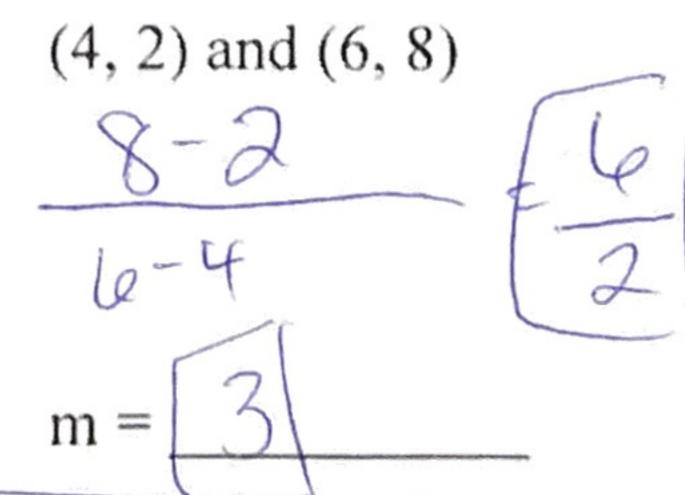
X	Y
6	2 .
3	2
0	2 .
-3	2 .
-6	2

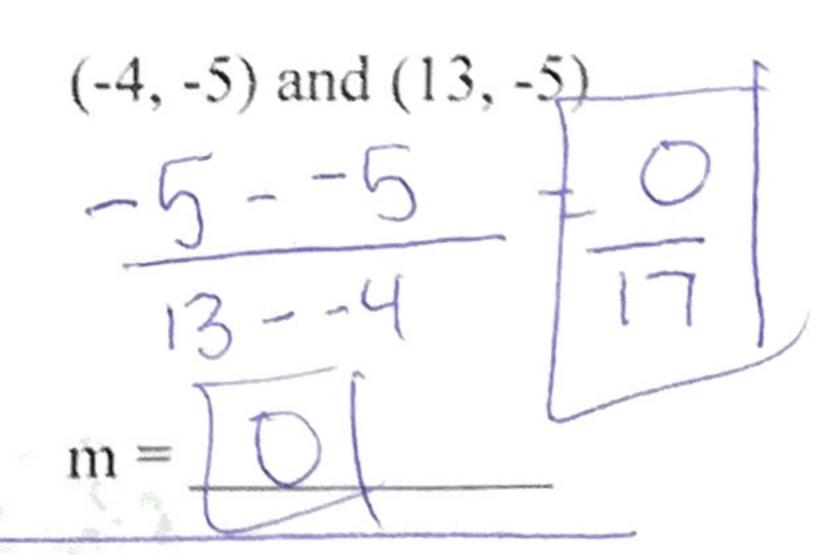
$$m = \frac{\Delta y}{\Delta x} = 0$$

I can find slope given two points.

What is the formula for slope? $\Delta y = \frac{\sqrt{2}}{2}$

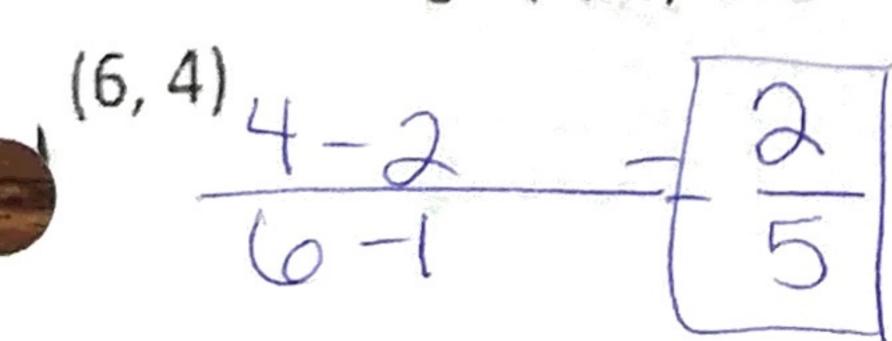


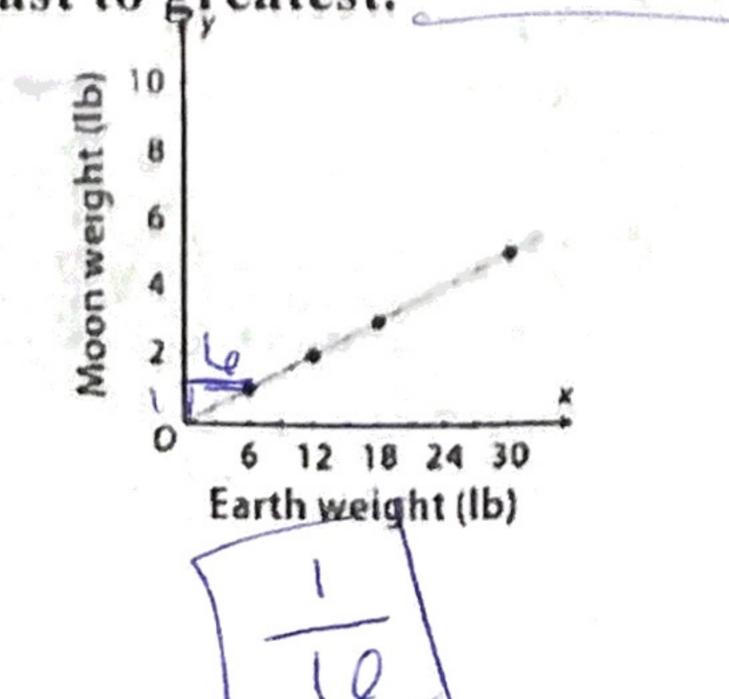




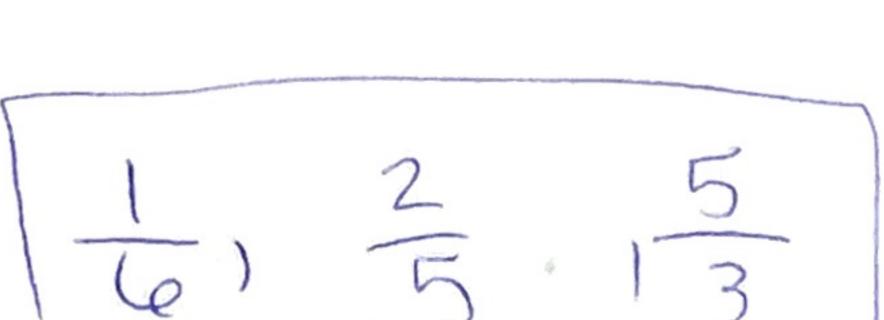
I can put rate of change in order from least to greatest.

Goes through (1, 2) and





X	Y
2	6
5	11
8 .	16
11.	21



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. Bind the rate of change. Rate, cost per Pizza \$4
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. Rate words per week 470 – 10 2 2 2
230 words every 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 cos \$90 a month. If they decide to get one for everyone in the family, 5 lines would cost \$210 a month. Find the rate of change. 120 5-2 \$40 every line
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
DX A T
\$3.5 for every 1 1 1 2 3 4 5 6 7 8 9 10"
School At 3573 3 \$3 for every ch. bar