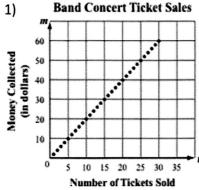
I can identify an equation from a graph.

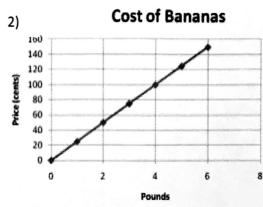
To Write an Equation from a Graph:

- 1) Is it proportional ? (Straight AND goes through the origin)
- 2) Pick out points and set up a table.
- 3) Identify the constant of proportionality and write the equation.



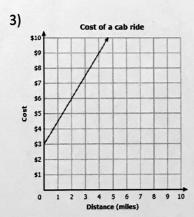
Number of Tickets Sold				
	x	У		,
	5	10	Straight? _	/
	10	90	Origin?	1
	15	30	Origin: _	
	20	40	← Fill in ta	ble.

Constant of Proportionality: 2Equation: y = 2x

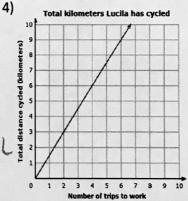


x	У	/		
2	50	Straight?		
4	100	Origin?		
6	150	← Fill in table.		

Constant of Proportionality: $\frac{25}{25}$ Equation: y = 25x



NOT



x y Straight? X
Origin? X
← Fill in table.

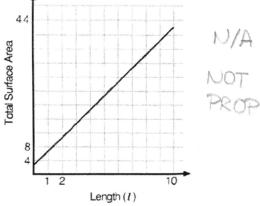
Constant of Proportionality:

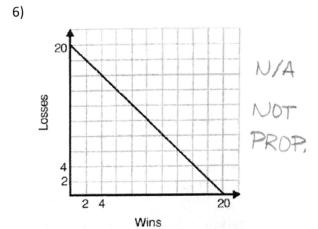
Equation:

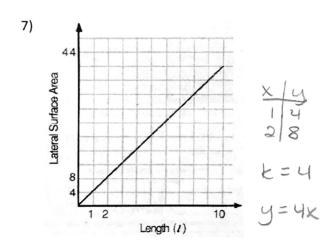
x	У	Straight?		
2 4	3	Origin?		
i	49	← Fill in table.		

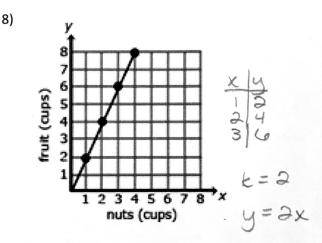
Equation: y = 1.5x

5)







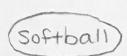


Review:

- 1) Car A drives for 9 hours and travels a total of 432 miles. Car B drives for 6 hours and travels a A = 432/9 = 48 mph B = 282/6 = 47 mph total of 282 miles. Which car has a faster average speed?
- CAR
- 2) Stanley works from 8:15am until 3:00pm and earns \$81.00. What is Stanley's hourly wage? \$81/4.75 hr = (\$12 per hour
- 3) Which team below has the lowest loss-to-win ratio?

Sports Team	Total Games Played	Number of Games Won	
Basketball	18	15	
Football	7	4	
Golf	14	8	
Softball	20	18	

Losses	
3	3:15
3	3:4
6	6:8
2	2:18



4) What is the equation representing the table below? What is the missing value?

m	3	4.5	9	27	
V	8.4	12.6	25.2	75.6	117.6

Equation: V= 2.8 m Missing Value: 42