

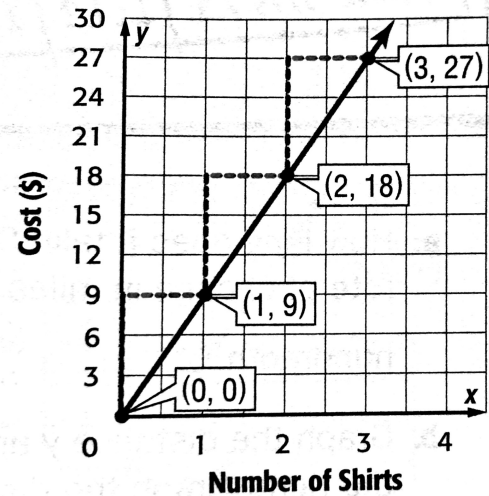
HW 7-2B**Int 1****Constant Rate of Change****Unit 7**

1. The graph shows the cost of purchasing T-shirts. Find the constant rate of change for the graph. Then explain what the points $(0,0)$ and $(1,9)$ mean in context.

Constant Rate of Change: _____

What does the point of $(0,0)$ mean in the story?:

What does the point of $(1,9)$ mean in the story?:



2. The table below shows your bank account balance throughout the week.

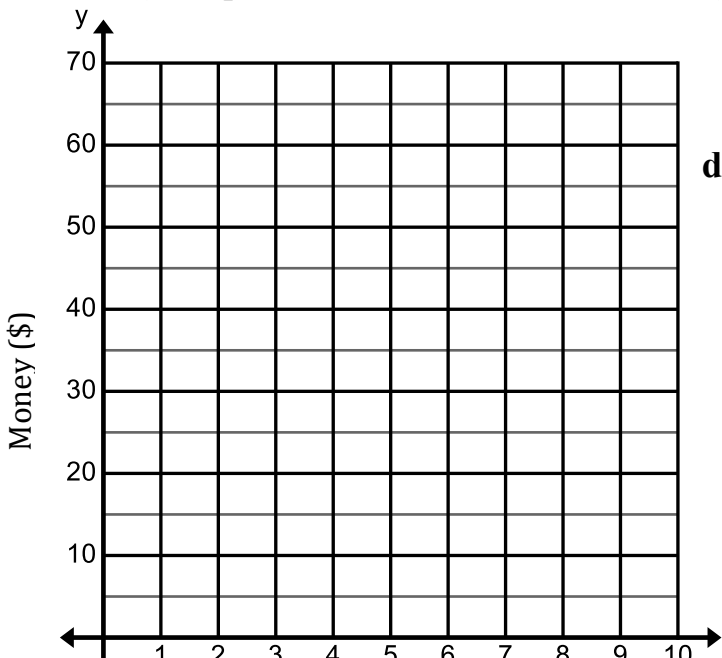
a) Complete the table.

x (Days)	0	2	4	6	8	10
y (Money)	50	46				
(x, y)	$(0, 50)$	$(2, 46)$				

b) Graph the data.

c) How much money are you spending every day?

d) What is the constant rate of change?



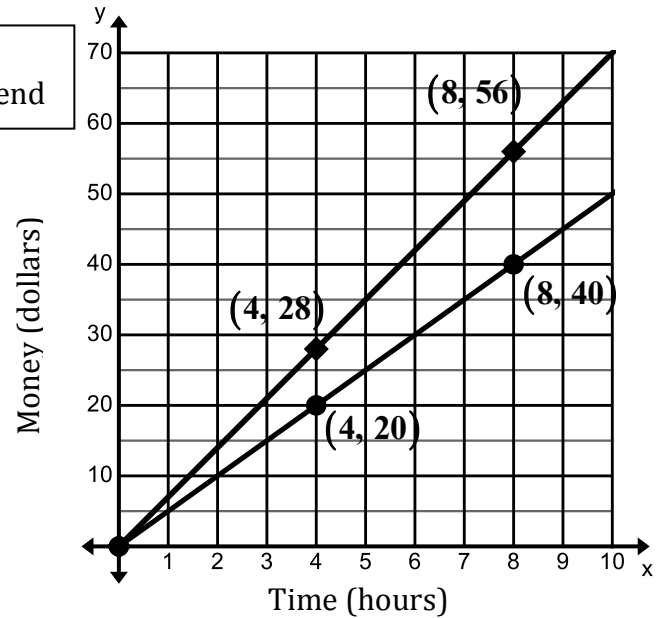
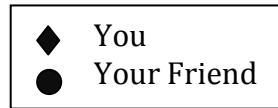
4. The following graph shows the money you and your friend make for delivering newspapers to houses in your neighborhood.

a) What is your constant rate of change? What does it mean in context of the story?

b) What is your friend's constant rate of change? What does it mean in context of the story?

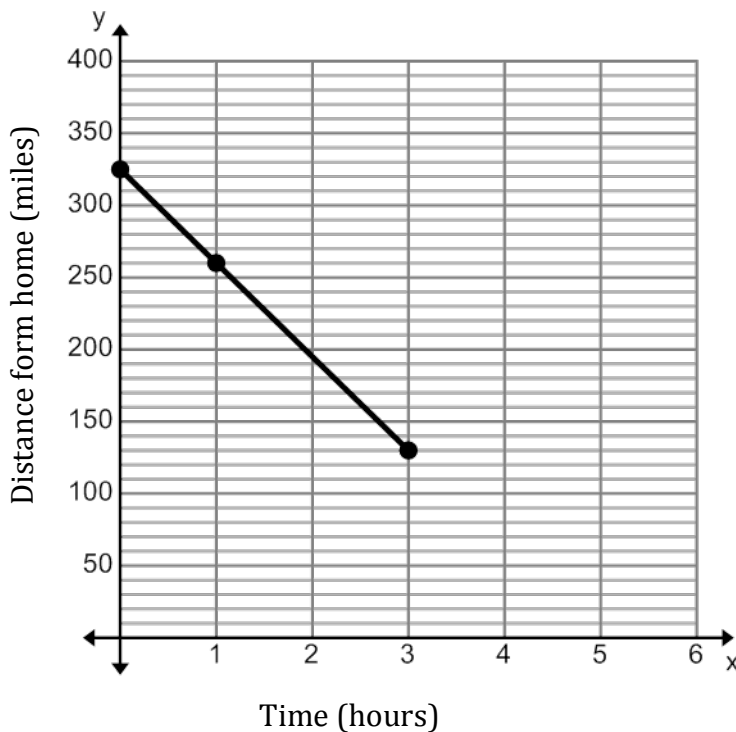
c) Who makes more money per hour?

d) How many hours would you have to work to earn \$91?



5. The table and graph below describes you returning home from a vacation.

x (hours)	0	1	2	3
y (miles from home)	325	260		130
(x, y)	(0,325)	(1,260)		(3,130)



- Complete the ordered pairs in the table.
- What is the rate of change? What does it mean in the story?
- How many miles will it take you to get home from your vacation? How do you know?