

Name _____

Date _____

Math 8R

Period _____

Real World Applications - Tables

1. Dominique saves the same amount of money each month in her bank's savings account. The amount of money she saved after different numbers of months is shown in the following table.

Months of savings, x	Total Amount saved (in \$), y
3	400
5	1000
7	1600
9	2200

Part A: Determine the rate of change for the function. _____

Part B: Determine the y -intercept for the function. _____

Part C: Write the equation that represents this function in $y = mx + b$ form. _____

2. Use the table below to answer the questions that follow.

number of sodas	bags of popcorn
0	10
3	8
6	6
9	4
12	2
15	0

Part A: Determine the rate of change for the function. _____

Part B: Determine the y-intercept for the function. _____

Part C: Write the equation that represents this function in $y = mx + b$ form. _____

3. Use the table below to answer the questions that follow.

Day	Height (mm)
1	0
3	4
5	8
7	12
9	16

Part A: Determine the rate of change for the function. _____

Part B: Determine the y-intercept for the function. _____

Part C: Write the equation that represents this function in $y = mx + b$ form. _____

4. The table below represents the price for purchasing a certain number of donuts at "Phil'd Up Doughnuts".

Phil'd Up Doughnuts	
<i>Boxing fee included in price!</i>	
Decorative Doughnuts	Price
2	\$9
4	\$13
6	\$17
8	\$21
10	\$25
12	\$29

Part A: Determine the **rate of change** for the function. _____

Part B: Determine the **y-intercept** for the function. _____

Part C: Write the **equation** that represents this function in $y = mx + b$ form. _____

5. The table below shows the total cost in cellular service over different numbers of months.

Months of service, x	Total Cost (in \$), y
2	100
4	600
6	1100
8	1600

Part A: Determine the rate of change for the function. _____

Part B: Determine the y -intercept for the function. _____

Part C: Write the equation that represents this function in $y = mx + b$ form. _____