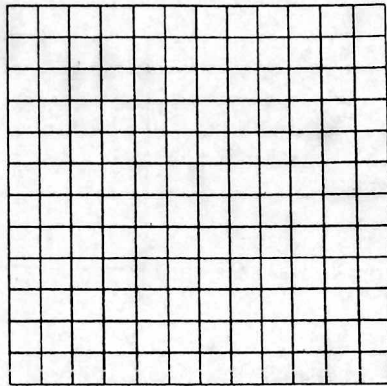


1. Your cell phone plan costs 15 dollars a month, plus 10 cents per minute. Fill out a table, create a graph, and write an equation to model the money you will spend each month on your cell phone.

Table

minutes	cost

Graph



Equation

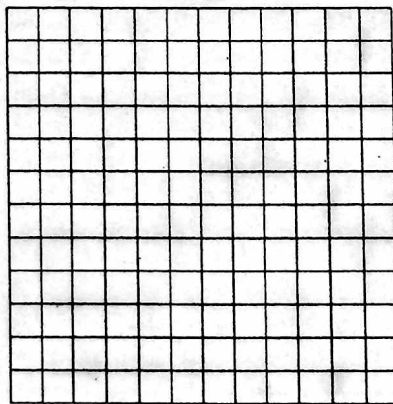
rate of Change :
 what does it mean :
 initial value :
 what does it mean :

2. You want to ship math textbooks from Singapore. They cost 80 dollars each, plus 30 dollars total for shipping. Fill out a table, create a graph, and write an equation to model the cost of the textbooks.

Table

books	cost

Graph



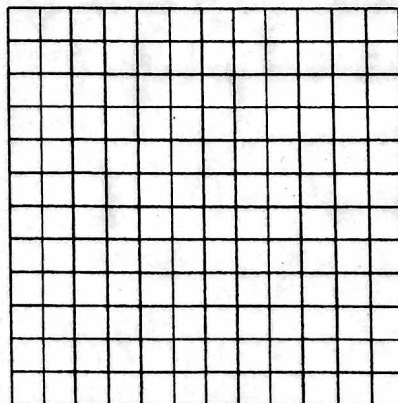
Equation

3. A taxi service charges an initial five dollar fee, plus one dollar per mile driven. Fill out a table, create a graph, and write an equation to model the cost of the taxi service.

Table

miles	cost

Graph



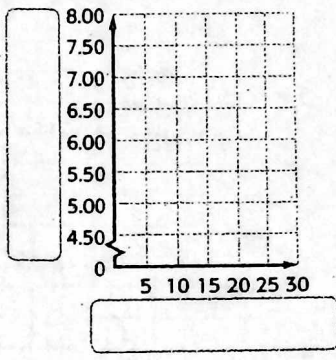
Equation

Linear Regression

NAME _____

A library charges a late return fee of \$3.50 plus \$0.15 per day that a book is returned late. (Examples 5 and 6)

- a. Write an equation to find the total late fee f for any number of days late d . _____
- b. Make a table to find the total fee if a book is 10, 15, 20, or 25 days late. Then graph the ordered pairs.



③ equation

increase/decrease

④ equation

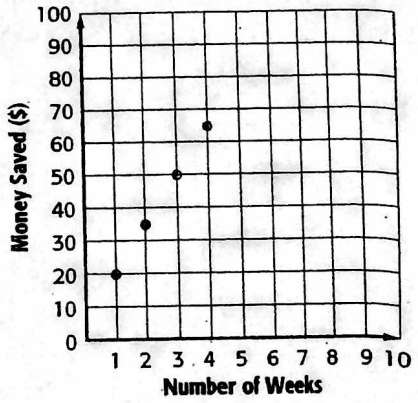
increase/decrease

⑤ equation

increase/decrease

Financial Literacy Kara is saving money for a school trip. The graph shows how much money she has saved over 4 weeks.

- a. Write an equation to find how much money d Kara can save over w weeks. _____
- b. Use the equation to determine how much money Kara can save in 24 weeks. _____



x	y
1	-2
2	1
4	7
5	10

④

x	y
4	2
4	4
4	6
4	8

⑤

x	y
-1	5
1	10
3	15
5	20

⑥ equation

increase/decrease

⑦ equation

increase/decrease

⑧ equation

increase/decrease

⑨ _____

x	y
-4	26
0	18
4	10
8	2

⑦ (5, -7) (3, 2)

⑧ (4, 2) (0, 9)

Out of problems 3-8, which one has the greatest rate of change?