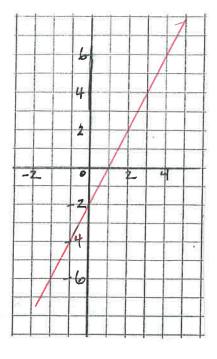
Name:	
Ivaille.	

MOVING STRAIGHT AHEAD STUDY GUIDE

- 1. Use the graph at the right.
 - a. What is the slope of the line?
 - b. Write the equation of the line.



2. Does the table show a linear relationship?

_____ YES, then write an equation:

____NO, then explain why not

Kilometers	0	2	5	11	13
Dollars	4	8	14	25	29

3. Match a table, graph and equation.

These match:

These match:

These match:

These match:

Table: _____

Table: _____

Table: _____

Graph: _____

Graph: _____

Graph: _____

Table: _____

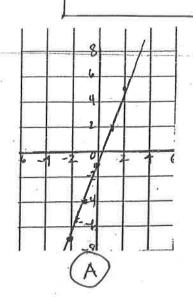
Graph: _____

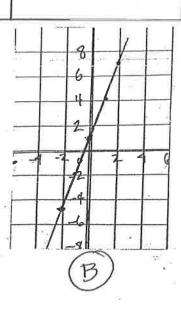
Equation: _____

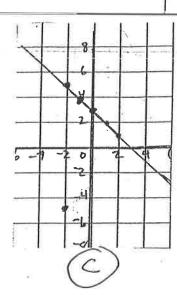
Equation: _____

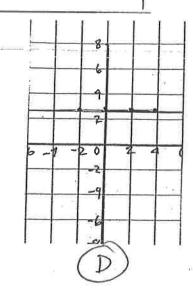
Equation: _____

Equation: ____









I.
$$y=3x-1$$

J. $y=-x+3$

K.
$$y = 2.5$$

L. $y = 3 \times +1$

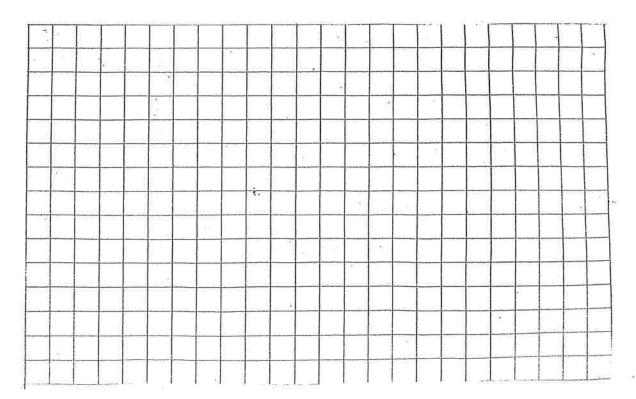
$oldsymbol{\mathcal{U}}_{oldsymbol{\star}}$ Sing-Song Music charges the following to download music:

- Members: \$50 yearly membership fee plus \$2.00 per song
- Non-members: \$4.25 per song
- a. Fill in the tables below.

MEM	BERS
# songs	cost
0	
10	
20	
30	
40	
50	

NON-ME	MBERS
# songs	cost
0	
10	
20	
30	
40	
50	

b. Graph the relationship between number of songs and cost for both members and non-members on the same graph.



c.	Write equations that show the cost for members and nonmembers:
	Equation for members:
	Equation for non-members:
d.	What is the slope for each line?
	Slope of equation for members:
	Sloe of equation for non-members:
e.	What information does the slope tell you for each equation?
f.	How do you find the slope from a table?
g.	How do you find the slope from a graph?
0	J C C C C C C C C C C C C C C C C C C C
h.	How do you find the slope from an equation?

į,	What information does the y-intercept of each line represent about the costs?
	Y-intercept for members tells me
	Y-intercept for non-members tells me

j. How many songs must be downloaded before the cost is the same for members and non-members? Explain how you found your answer.