-8 = -1 - 7 x

Write the letter for the correct answer in the blank at the right of each question.

1. Which ordered pair is *not* a point on the graph of $y = \frac{1}{2}x - 7$?

A.
$$(1, -6\frac{1}{2})$$

B. (-2, -8)

C.
$$(0, -7)$$

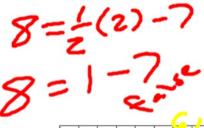
D. (2, 8



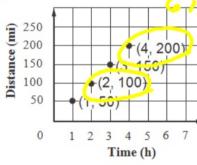
2. What is f(-2) if $f(x) = \frac{1}{2}x$?

x(-2)==-(-2)=-1

3. The graph at the right shows
Jeremy's distance from home each
hour he is on a car trip. How many
miles will he be from home after 10
hours?



2. F(-2)=-1



500 miles

initial:

4. Which table represents a linear function?

	- 2-2 -2				_
F.	x	5	3	1	-1
	y	6	8	10	12

	72	7	- ~	
x	-3	-1	1	3
y	1	4	9	16

H.

x	-2	0	2	4
y	0	1	3	6

		. 3	- 2	-	5 11
I.	x	7	4	1	-2
	<u>y</u>	-1	-3	-6	-9

5. Juana's monthly cost of sending text
messages can be represented by the
function $y = 0.05x$, where y represents
the total $\cos t$ and x represents the
number of text messages. The table
shows Tanya's monthly cost of
sending text messages. Which
statement is <i>not</i> true?

×	Y
Messages	Cost (\$)
20	10
30	11
40	12
50	13

A. Tanya's initial cost is greater than Juana's initial cost.

- B. Tanya pays more per text than Juana.
- C. Juana pays \$7.50 for sending 150 text messages.
- D. Tanya pays \$20 for sending 150 text messages.

$y = m \times + 6$ $m = 10$ $m = 10$ $m = 10$
19=19 (20) + 5=8
19=2+10



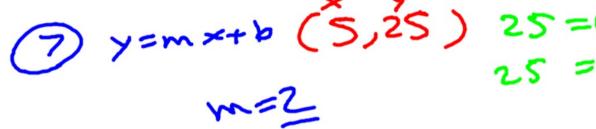
$$F. y = 5x + 7$$

$$G. y = x^2$$

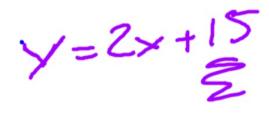
H.
$$y = -2x - 4$$

G.
$$y = x^2$$
 H. $y = -2x + 0$ I. $y = x + 0$ 6. ____

Y=mx+b



- 7. Nate has a certain number of songs on his MP3 player. Each week, he plans to add 2 more songs. After 5 weeks, he had 25 songs on his MP3 player. Which statement is true?
 - A. Nate adds 5 songs on his MP3 player per week.
 - B. Nate adds 10 songs on his MP3 player per week.
 - C. The initial number of songs on Nate's MP3 player is 15.
 - D. The initial number of songs on Nate's MP3 player is 2.



8. State the domain and range for the following relation. $\{(-4, 4), (1, 2), (0, 3), (3, 2)\}$

9. Complete the function table for f(x) = -2x + 1.

 $\frac{f(-2) = -2(-2) + 1}{= 4 + 1 = 5} = \frac{-2(2) + 1}{= -2(1) + 1 = 2 + 1} = \frac{-2(2) + 1}{= -4 + 1} = -3$

For Exercises 10 and 11, consider the following situation.

<u>x</u>	f(x)
-2	5
0)
1	-1
2	-3

The amount stone calls containing for \$1.50 man married