Number	Standard	Grade
1	**F-IF.A.2 :** *Use function notation, evaluate functions for inputs in their domains, and interpret statements that use function notation in terms of a context.*	_____
2	**F-IF.C.7.a :** *Graph linear and quadratic functions and show intercepts, maxima, and minima.*	_____
3	**A-REI.D.10:** *Understand that the graph of an equation in two variables is the set of all its solutions plotted in the coordinate plane, often forming a curve (which could be a line).*	_____
4	**F-IF.B.4:** *For a function that models a relationship between two quantities, interpret key features of graphs and tables in terms of the quantities, and sketch graphs showing key features given a verbal description of the relationship. Key features include: intercepts; intervals where the function is increasing, decreasing, positive, or negative; relative maximums and minimums; symmetries; end behavior; and periodicity.*￼	_____

*Tutoring is held every <u>Monday from 3:45-5:00 pm</u>

Name:_____

Period:_____

Date:_____

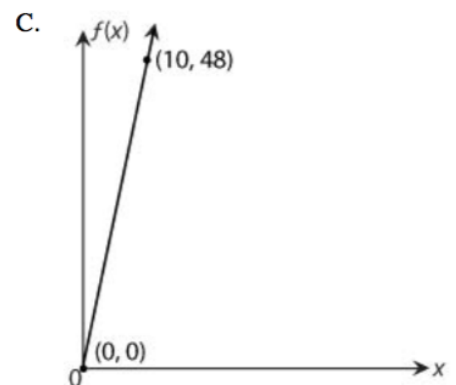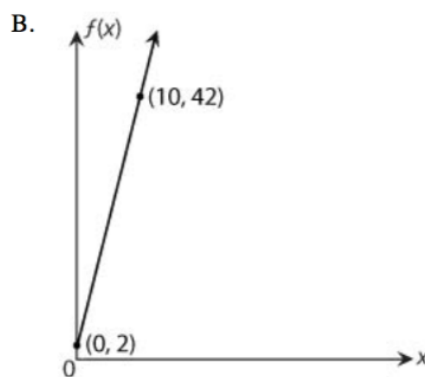* Do not stress out. You are capable of great things. You will be able to do this.
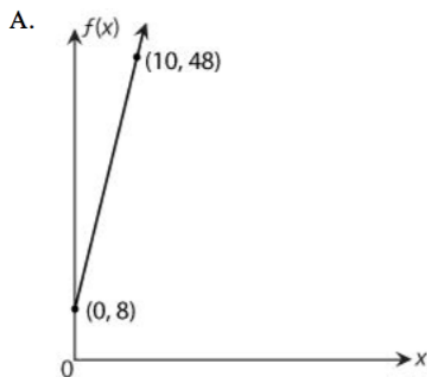
4	3	2	1
I use function notation to evaluate the expression correctly. I show all my steps with no computation error. I state what my "x" is equal to. I box my answer	I evaluate the expression correctly but do not show the function notation. I do not state what "x" is equal to. I do box my answer.	I evaluate my expression with function notation incorrectly due to computation errors. I show all my work.	I am able to state what my "x" is equal to, but cannot evaluate the expression. Neither do I box my answer. I get a zero if I show no work.

If $f(x) = 11 - 6x - 8$, what is $f(-3)$?

4	3	2	1
I choose the correct answer, I show my work, and give a sufficient justification. I have no computation errors.	I choose the correct answer, I show my work, I justify but it is not clear, or does not have complete sentences	I choose the correct answer, but I do not justify. I still show all my work. There are no computation errors	I chose the incorrect answer through computation errors. I do not justify. I get a zero if I do not have both my work and the circled answer.

A law firm charges a client according to the function $f(x) = 4(x + 2)$, where x represents the number of hours spent on the client's case each week, and $f(x)$ represents the total charge that week in hundreds of dollars. Which graph best represents $f(x)$?
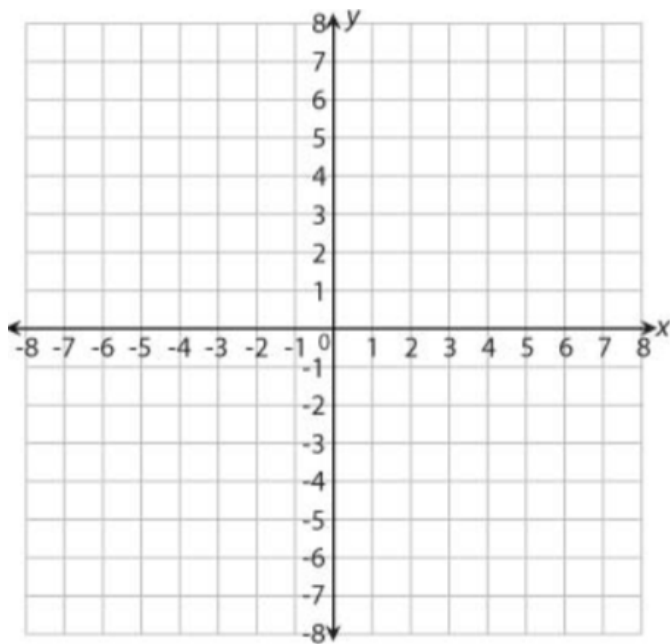
Show Work Here:

A.

$f(x)$

(10, 48)

(0, 8)

0 → x

B.

$f(x)$

(10, 42)

(0, 2)

0 → x

C.

$f(x)$

(10, 48)

(0, 0)

0 → x

Justify:

_____

_____

_____

_____

_____

4	3	2	1
I show all my work. No computation error. The table is complete. The graph is drawn.	I complete the table. I show my work with few computation error. The graph is drawn accordingly to the table.	I completed the table and graphed the equation. I have computation error.	The table is incomplete, you plotted but no connection. I get a zero if I do no work or do not show any work.

Complete the table, and graph the linear equation. Label the points on the graph that represent the pairs of coordinates in the table. Use the space below the graph and table to show your work.
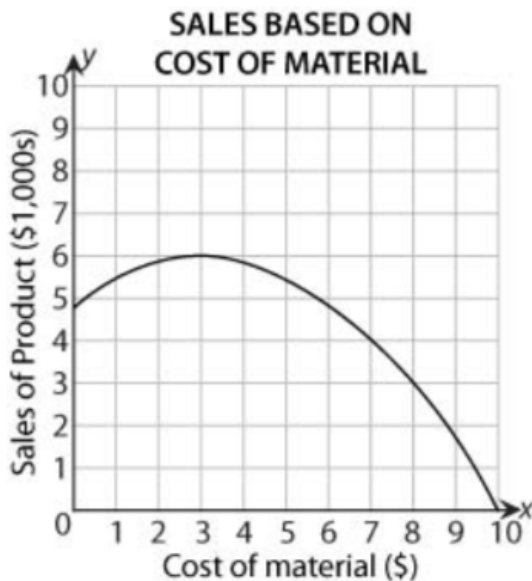
$$3x - y = 1$$

x	y
-2	
-1	
0	
	1
	2

4	3	2	1
I input the correct answer.I show my work step by step when appropriate			Incomplete, Yet show my work.. I get a zero if I do no work or do not show any work.

A company makes a product from several different types of material. The manager of the company compared the total sales of the product as the cost of one type of material changed. She made this graph to model the relationship

SALES BASED ON COST OF MATERIAL

Fill in the blanks based on the information from the graph above.

The sales, in dollars, of the product are $0 when the cost of the material is approximately $ [1] .

The sales, in dollars, of the product are approximately $ [2] when the cost of the material is $6.

The sales, in dollars, of the product are at a maximum when the cost of the material is approximately $ [3] .