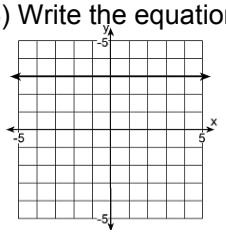
Do Now - Hand in when you are finished

1) What is an equation of the linear function whose graph passes through the points (4,39) and (10, 69)

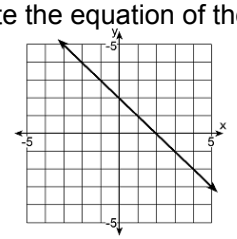
2) Write the equation of the line represented by the table below.

x	y
1	-4
2	-8
3	-12

3) Write the equation of the line represented by the graph below.



4) Write the equation of the line represented by the graph below



Dec 16-6:47 AM

Homework Answers

2) a. 514

b. Decreasing

c. -21

d. y = -21x + 514

e. 220 Pictures

4) a. 5

b. increasing

c. 1.5

d. y = 1.5x + 5

e. 35 cm

3) a. 120

b. Increasing

c. 15

d. y = 15x + 120

e. 450 Text Messages

Dec 15-6:43 AM

Yvette records the height of a plant (cm) over time (days).

Days X	0	2	4	6
Height Y	0	3	6	9

Initial amount: 0

Increasing / Decreasing

Rate: 3/2

Equation: $y = \frac{3}{2}x$

$m = \frac{y_2 - y_1}{x_2 - x_1}$ (0,0) (2,3)

$\frac{3-0}{2-0} = \frac{3}{2}$

An airplane is flying 50,000 feet above ground. It begins descending by 2,500 ft/min.

Initial amount: _____

Increasing / Decreasing

Rate: _____

Equation: _____

Nov 15-10:15 AM

3) A computer repair shop charges a $25 fee in addition to $40 per hour to service a computer.

A) Write an equation to represent the total cost to service a computer

B) How much would it cost to have a computer fixed if it took the repair shop 6 hours.

let x = # of hours

y = $ to repair

Initial = 25

Rate = 40

$y = mx + b$

$y = 40x + 25$

B) $x = 6$

$y = 40(6) + 25$

$y = 240 + 25$

$y = \$265$

$y = \$265$ fee

Dec 14-1:06 PM