

* Equations 1, 2, + 3 are attached *
as examples.

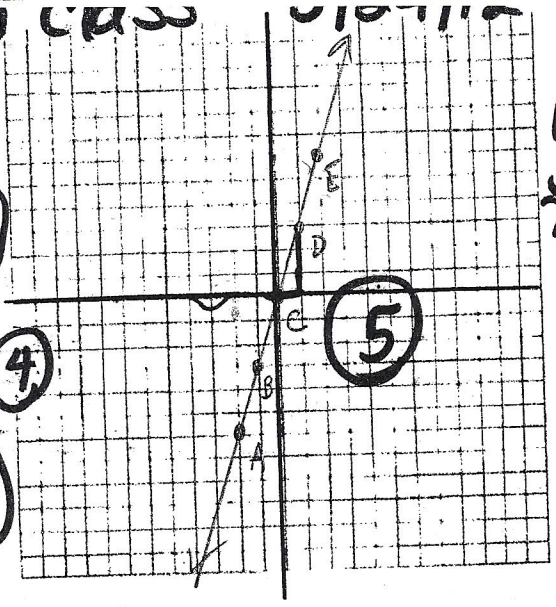
The following are directions to
complete homework.

1. Write each equation on the
given lines
2. Use $-2, -1, 0, 1, 2$ for your
inputs on the table.
3. Evaluate the equation for each
input to get your y -value.
4. Write your ordered pair created
by your input + output
5. Graph the ordered pairs + label
the points. Draw the line connecting
the points graphed.
6. (A) Identify the y -intercept (graph crosses
 y -axis)
(B) " " " x -intercept " "
(C) Identify the slope

Graphed in class

Equation: $y = 3x$

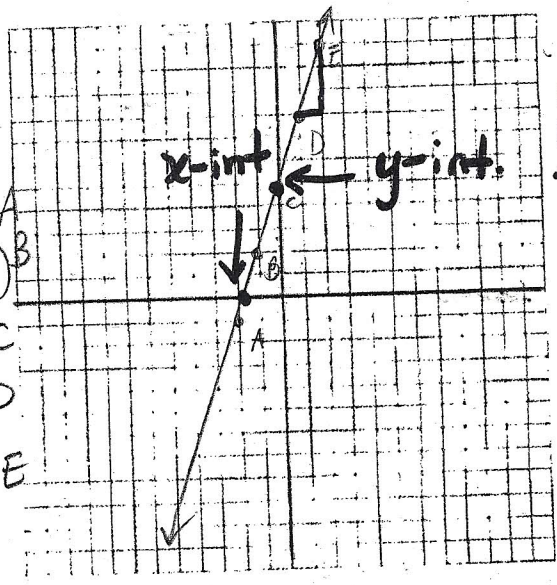
input x	y	Point
-2	$3(-2) = -6$	$(-2, -6)$ A
-1	$3(-1) = -3$	$(-1, -3)$ B
0	$3(0) = 0$	$(0, 0)$ C
1	$3(1) = 3$	$(1, 3)$ D
2	$3(2) = 6$	$(2, 6)$ E



y-int = 0
 x-int = 0
 $m = \frac{3}{1}$

Equation: $y = 3x + 5$

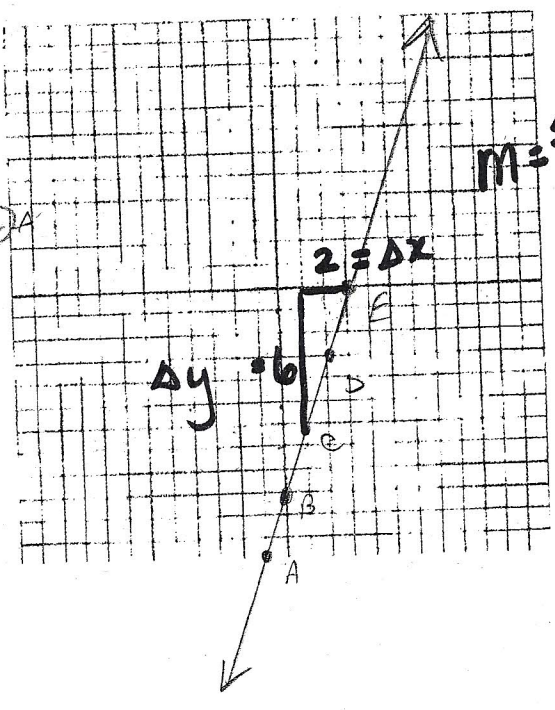
x	y	Point
-2	$3(-2) + 5 = -6 + 5 = -1$	$(-2, -1)$ A
-1	$3(-1) + 5 = -3 + 5 = 2$	$(-1, 2)$ B
0	$3(0) + 5 = 0 + 5 = 5$	$(0, 5)$ C
1	$3(1) + 5 = 3 + 5 = 8$	$(1, 8)$ D
2	$3(2) + 5 = 6 + 5 = 11$	$(2, 11)$ E



y-int = 5
 x-int = -2
 $m = \frac{3}{1}$

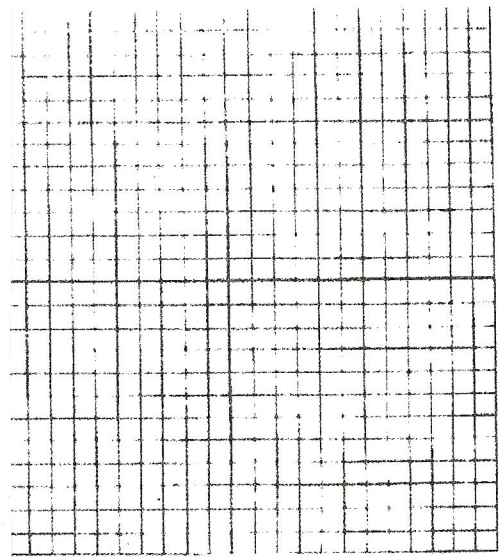
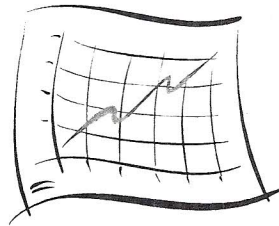
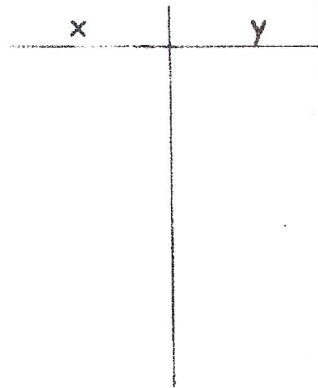
Equation: $y = 3x - 9$

x	y	Point
-1	$3(-1) - 9 = -3 - 9 = -12$	$(-1, -12)$ A
0	$3(0) - 9 = 0 - 9 = -9$	$(0, -9)$ B
1	$3(1) - 9 = 3 - 9 = -6$	$(1, -6)$ C
2	$3(2) - 9 = 6 - 9 = -3$	$(2, -3)$ D
3	$3(3) - 9 = 9 - 9 = 0$	$(3, 0)$ E



$m = \frac{\Delta y}{\Delta x} = \frac{6}{2} = 3$
 y-int = -9
 x-int = 3

Equation: _____



Graph:

1. $y = 3x$

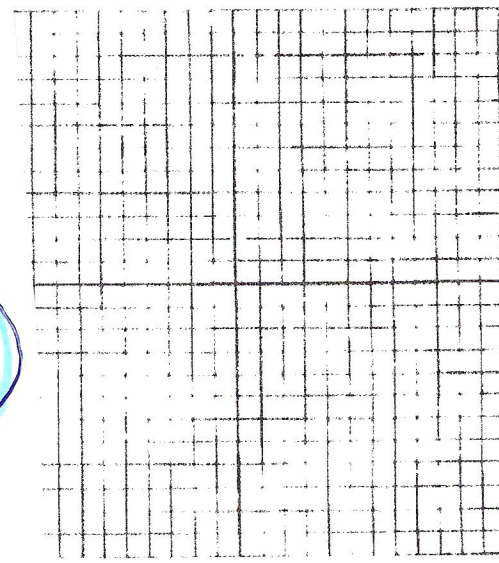
2. $y = 3x + 5$

3. $y = 3x - 9$

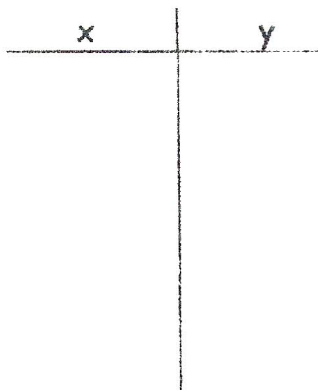
4. $y = -2x$

5. $y = -2x - 4$

6. $y = -2x + 9$



Equation: _____



7. $y = -x$

8. $y = -x + 5$

9. $y = -x - 5$

Homework

10. $y = 1/3 x$

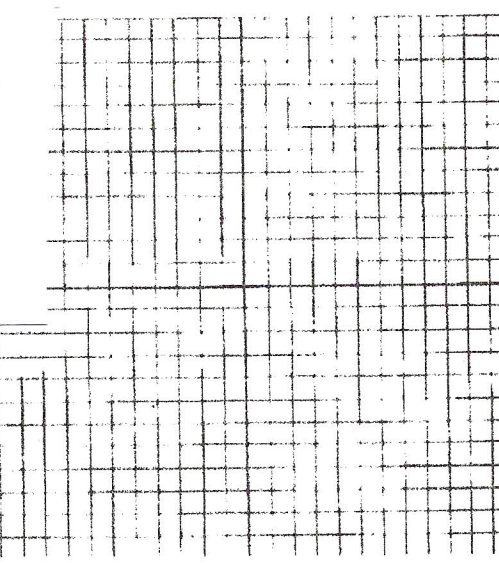
11. $y = 1/3 x + 5$

12. $y = 1/3 x - 5$

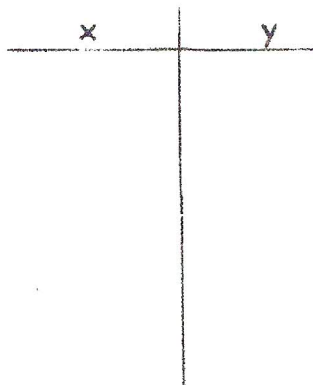
13. $y = -1/2 x$

14. $y = -1/2 x + 8$

15. $y = -1/2 x - 8$



Equation: _____



16. $y = 3/4 x - 5$

17. $y = -3/4 x - 5$

18. $y = 2/3 x - 5$