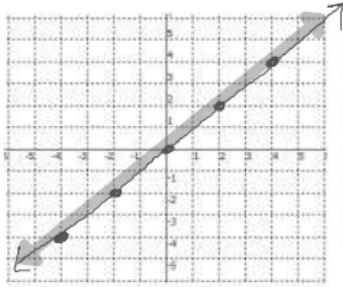


Complete the table of values, then graph each equation - label your graphs!

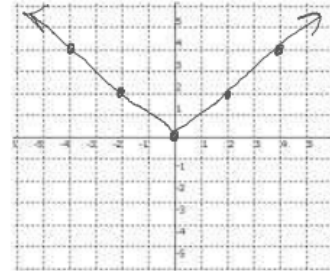
$m = \frac{1}{1}$
 $b = 0$

$y = x$



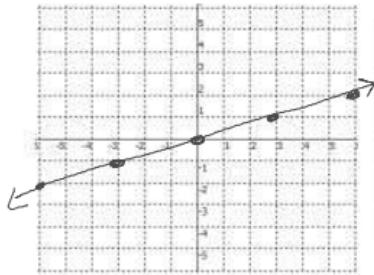
x	y
4	4
2	2
0	0
-2	-2
-4	-4

$y = |x|$



x	y
4	4
2	2
0	0
-2	2
-4	4

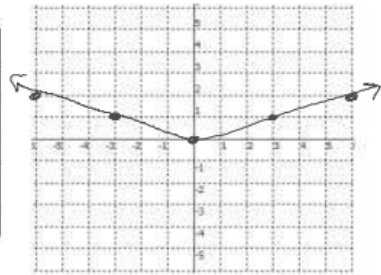
$y = \frac{1}{3}x$



x	y
6	2
3	1
0	0
-3	-1
-6	-2

$\frac{1}{3}(6)$

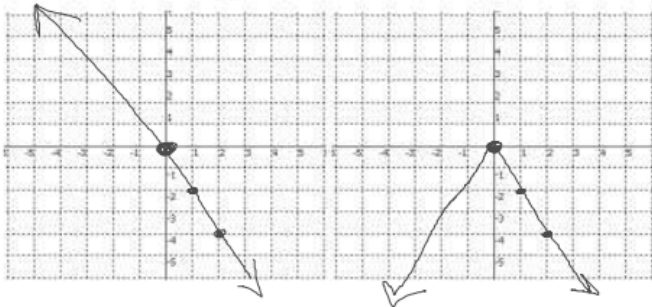
$y = \frac{1}{3}|x|$



x	y
6	2
3	1
0	0
-3	1
-6	2

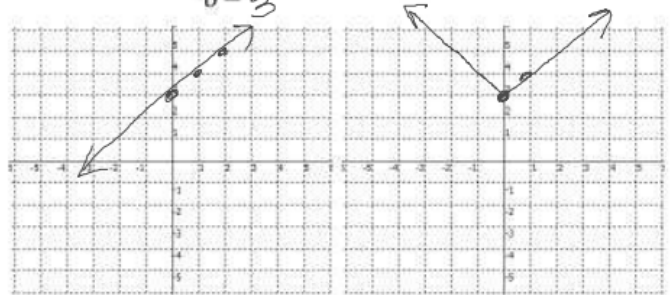
1. $y = -2x$ $m = -2$
 $b = 0$

$y = -2|x|$



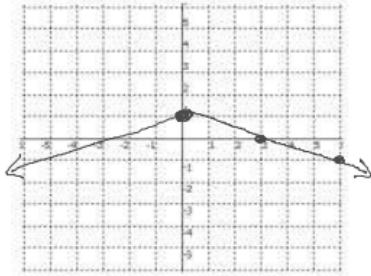
2. $y = x + 3$ $m = \frac{1}{1}$
 $b = 3$

$y = |x| + 3$



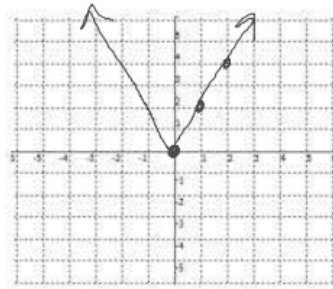
4. $y = -\frac{1}{3}|x| + 1$

$m = -\frac{1}{3}$
 $b = 1$



5. $y = 2|x|$

$m = 2$
 $b = 0$



Intercepts on a graph

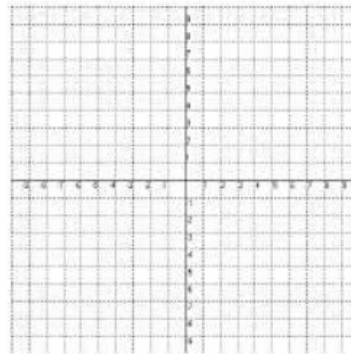
Will be completed next class

6. Graph by finding the **x and y intercepts:**

$2x - 6y = -18$

x - intercept

y - intercept

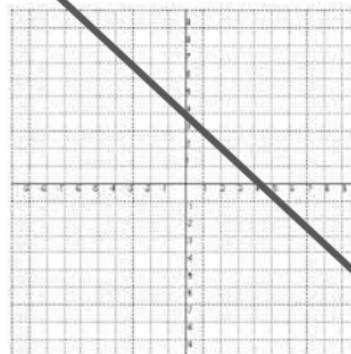


7. Graph by finding the **x and y intercepts:**

$3y = 2x - 12$

x - intercept

y - intercept



Algebra II
Graphing Lines and Absolute Value

A day (Sept. 1)

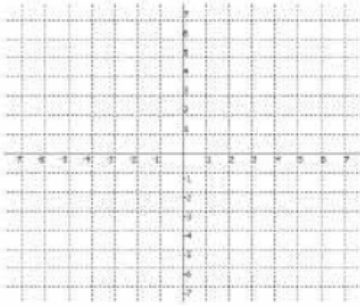
B day (Sept. 2)

Name: _____ Period: _____

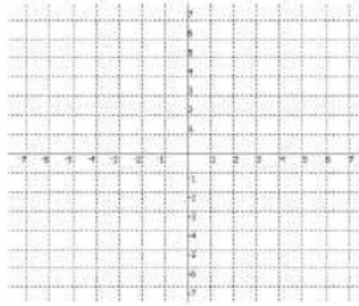
Show your work! No work = No credit

Graphing Lines and Absolute Value equations using slope-intercept form.

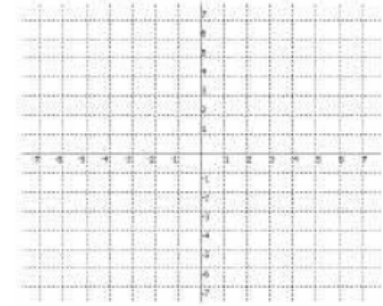
1. $y = x$ $m =$
 $b =$



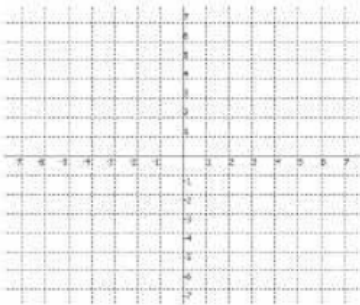
2. $y = 3x - 4$ $m =$
 $b =$



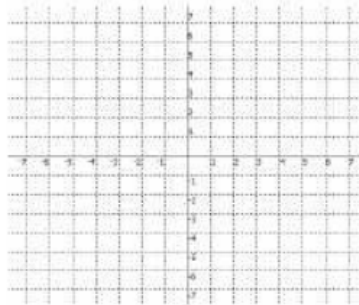
3. $y = -\frac{1}{2}x + 3$ $m =$
 $b =$



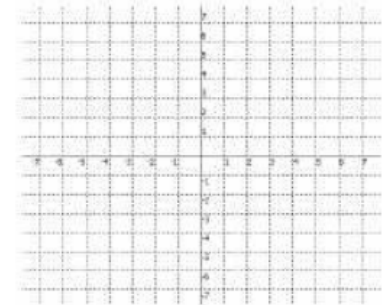
7. $y = |x|$ $m =$
 $b =$



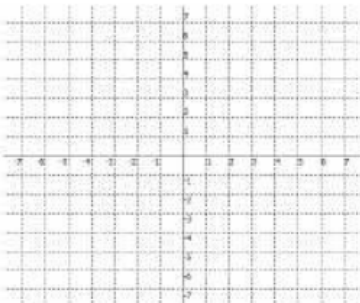
8. $y = 3|x| - 4$ $m =$
 $b =$



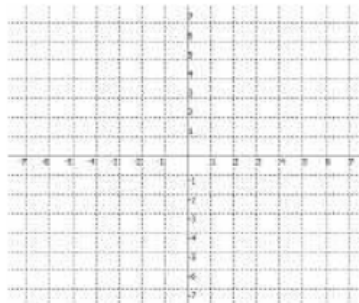
9. $y = -\frac{1}{2}|x| + 3$ $m =$
 $b =$



10. $y = \frac{1}{3}|x| + 2$ $m =$
 $b =$



11. $y = |x| - 3$ $m =$
 $b =$



12. $y = \frac{2}{3}|x| - 1$ $m =$
 $b =$

