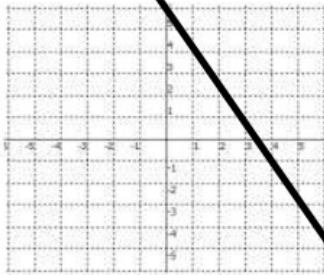


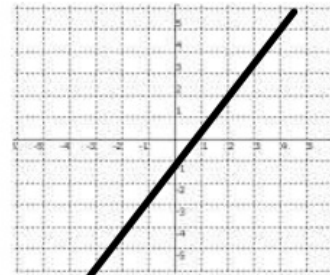
Complete the table of values, then graph each equation - label your graphs!

Completed last class period $|x|$



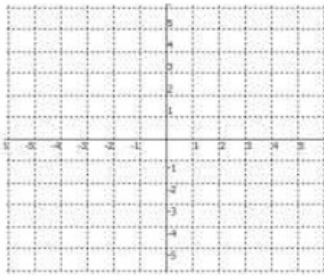
x	y
4	
2	
0	
-2	
-4	

x	y
4	
2	
0	
-2	
-4	



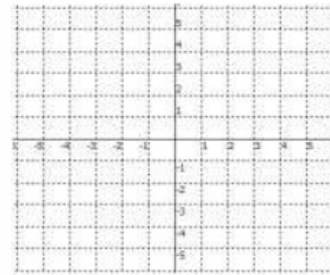
$$y = \frac{1}{3}x$$

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



x	y
6	
3	
0	
-3	
-6	

x	y
6	
3	
0	
-3	
-6	

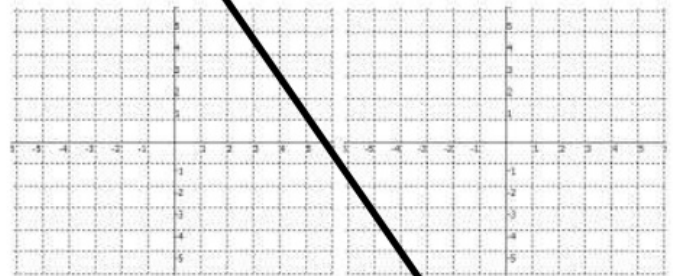
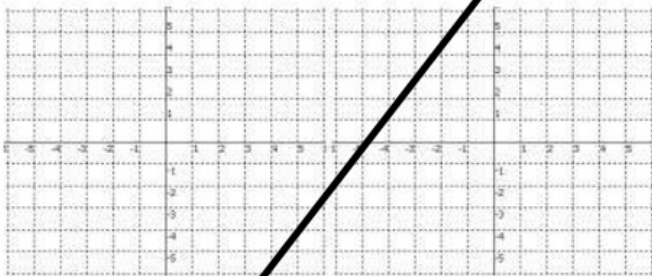


1. $y = -2x$ $m =$
 $b =$

$$y = -2|x|$$

2. $y = x + 3$ $m =$
 $b =$

$$y = |x| + 3$$



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

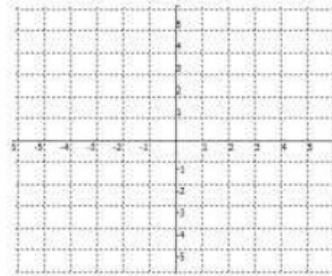
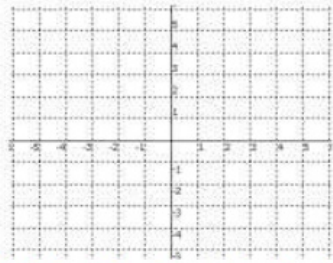
$$m =$$

$$b =$$

$$5. y = 2|x|$$

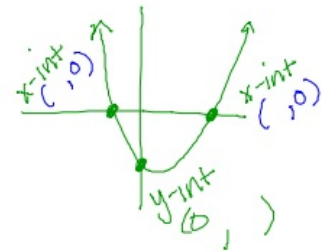
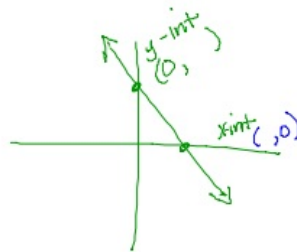
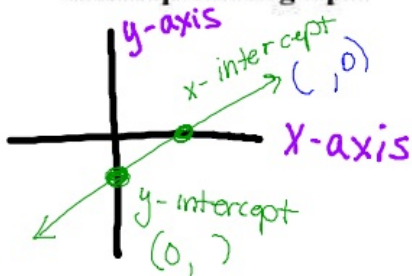
$$m =$$

$$b =$$



WARNING: Quiz taken in class before notes

Intercepts on a graph



6. Graph by finding the x and y intercepts:

$$2x - 6y = -18$$

x - intercept

$$2x - 6(0) = -18$$

$$2x = -18$$

$$x = -9$$

$$(-9, 0)$$

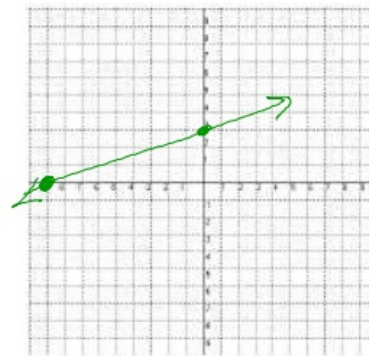
y - intercept

$$2(0) - 6y = -18$$

$$-6y = -18$$

$$y = 3$$

$$(0, 3)$$



7. Graph by finding the x and y intercepts:

$$3y = 2x - 12$$

x - intercept

$$3(0) = 2x - 12$$

$$0 = 2x - 12$$

$$+12 \quad +12$$

$$\frac{12}{2} = \frac{2x}{2}$$

$$6 = x$$

$$(6, 0)$$

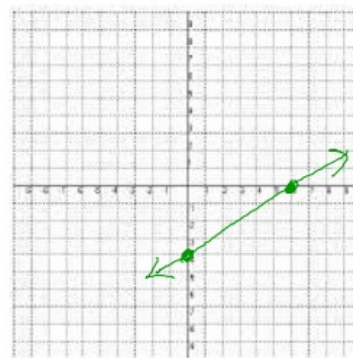
y - intercept

$$3y = 2(0) - 12$$

$$3y = -12$$

$$y = -4$$

$$(0, -4)$$



Algebra II
Graphing Lines and Absolute Value

A day (Sept. 1)

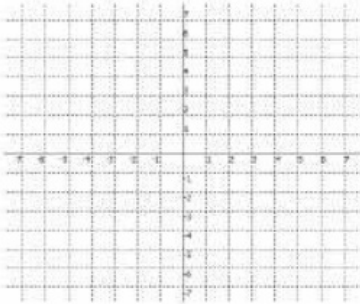
B day (Sept. 2)

Name: _____ Period: _____

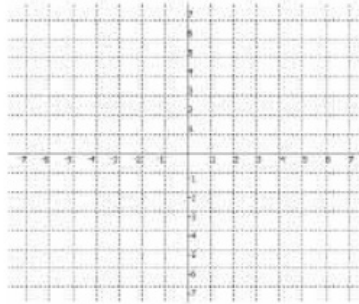
Show your work! No work = No credit

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

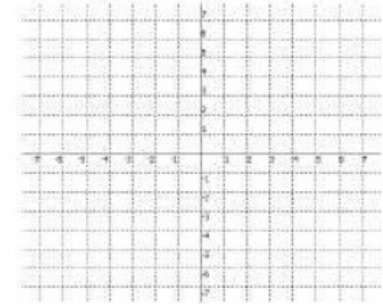
1. $y = x$ $m =$
 $b =$



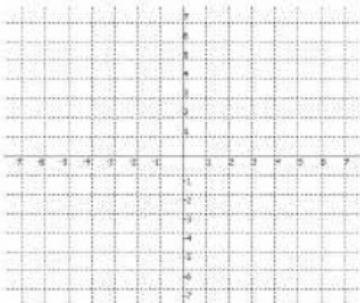
2. $y = 3x - 4$ $m =$
 $b =$



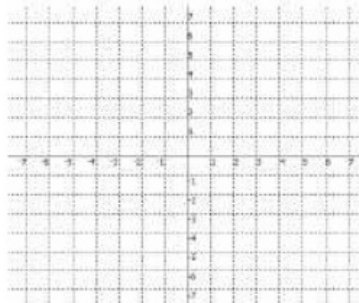
3. $y = -\frac{1}{2}x + 3$ $m =$
 $b =$



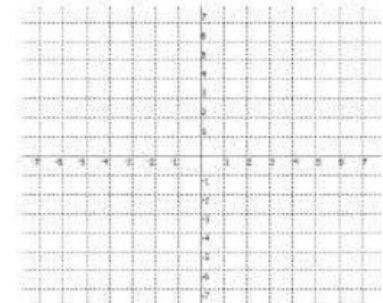
7. $y = |x|$ $m =$
 $b =$



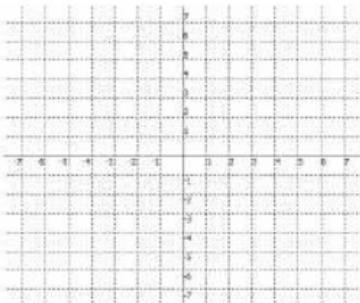
8. $y = 3|x| - 4$ $m =$
 $b =$



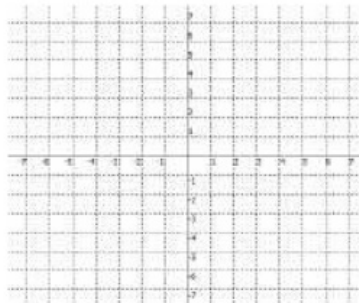
9. $y = -\frac{1}{2}|x| + 3$ $m =$
 $b =$



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



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



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

