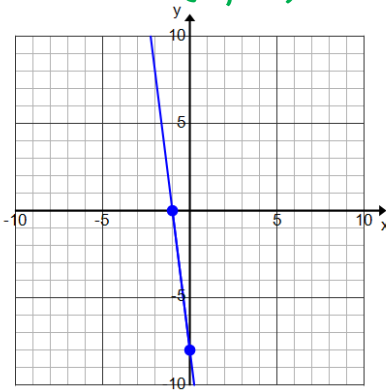
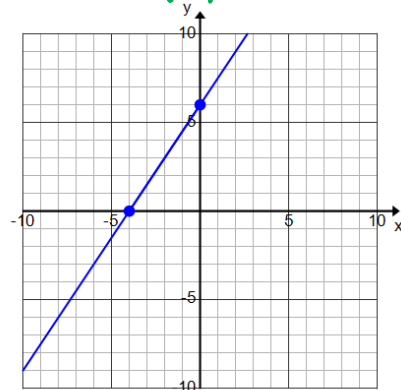


**Use a graph to find intercepts:** Label the x – intercept and the y – intercept of the graphs below.

1) x – intercept:  $(-1, 0)$   
 y – intercept:  $(0, -8)$

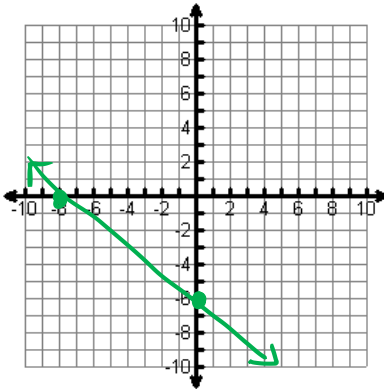


2) x – intercept:  $(-4, 0)$   
 y – intercept:  $(0, 6)$



**Use intercepts to graph an equation:** Use intercepts in order to graph the equation below.

3) x – intercept: -8  $\rightarrow$   $(-8, 0)$   
 y – intercept: -6  $\rightarrow$   $(0, -6)$

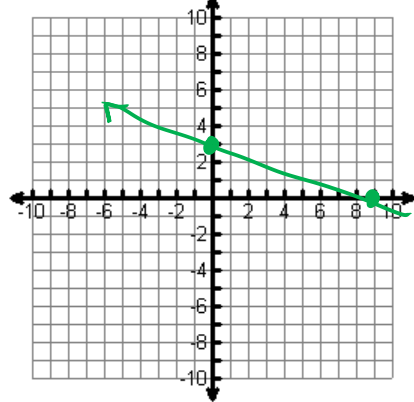


x	y
-8	0
0	-6

4)  $x + 3y = 9$

x-int:  $x + 3(0) = 9$   
 $x = 9$   
 $(9, 0)$

y-int:  $0 + 3y = 9$   
 $3y = 9$   
 $\frac{3y}{3} = \frac{9}{3}$   
 $y = 3$   
 $(0, 3)$

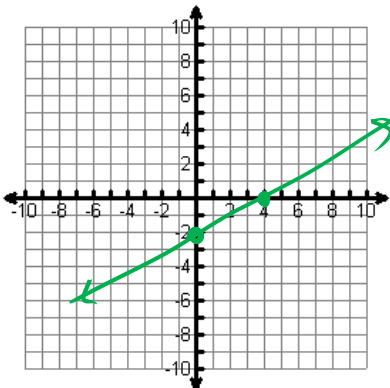


x	y
9	0
0	3

5)  $4x - 8y = 16$

x-int:  $4x - 8(0) = 16$   
 $4x = 16$   
 $x = 4$   
 $(4, 0)$

y-int:  $4(0) - 8y = 16$   
 $-8y = 16$   
 $y = -2$   
 $(0, -2)$

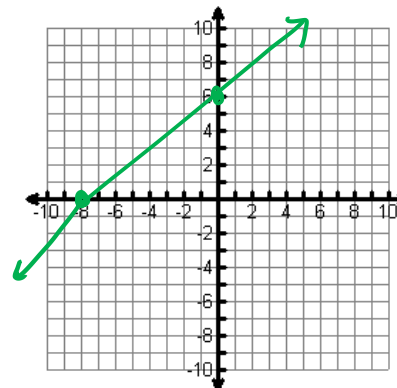


x	y
4	0
0	-2

6)  $-3x + 4y = 24$

x-int:  $-3x + 4(0) = 24$   
 $-3x = 24$   
 $x = -8$   
 $(-8, 0)$

y-int:  $-3(0) + 4y = 24$   
 $4y = 24$   
 $y = 6$   
 $(0, 6)$



x	y
-8	0
0	6