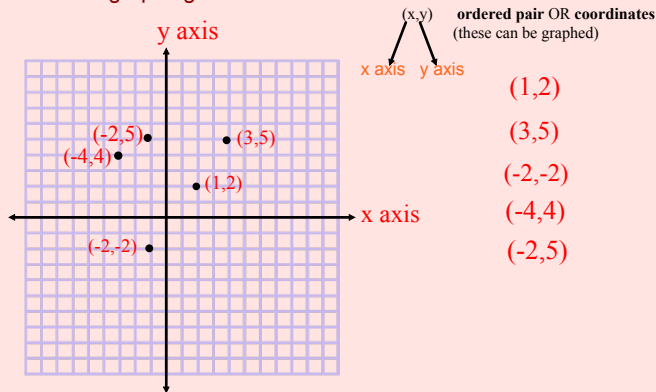


**Sections 6.6 & 6.7**  
**Table of Values and Graphing**

**Review of graphing coordinates**



**Creating Tables**

Example # 1:  $x + 2 = y$

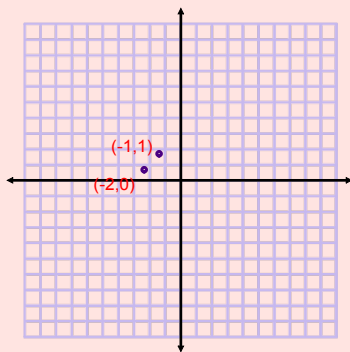
Add these values for x and solve for y using the equation

x	y
-2	0
-1	1
0	
1	
2	

ex:  $x + 2 = y$   
 $-2 + 2 = y$   
 $0 = y$

ex:  $x + 2 = y$   
 $-1 + 2 = y$   
 $1 = y$

Find the remaining values of y  
Plot on the graph below...



Example # 2:

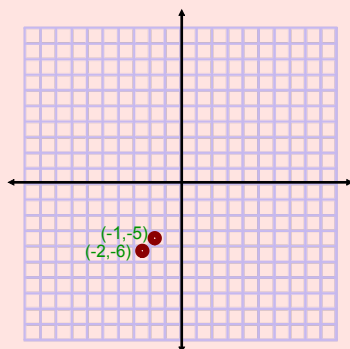
$x - 4 = y$

x	y
-2	-6
-1	-5
0	
1	
2	

ex:  $x - 4 = y$   
 $-2 - 4 = y$   
 $-2 + -4 = y$   
 $-6 = y$

ex:  $x - 4 = y$   
 $-1 - 4 = y$   
 $-1 + -4 = y$   
 $-5 = y$

Find the remaining values of y  
Plot on the graph below...



Example #3:  $y = 3x$

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

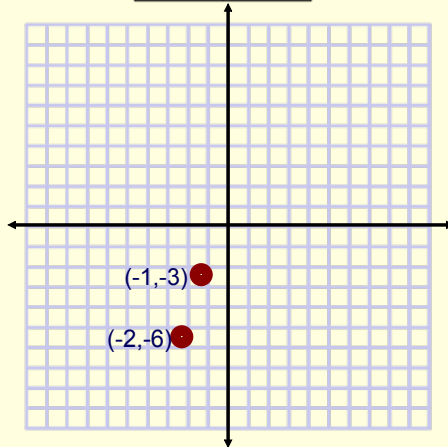
ex:

$$\begin{aligned}y &= 3x \\y &= 3(-2) \\y &= -6\end{aligned}$$

ex:

$$\begin{aligned}y &= 3x \\y &= 3(-1) \\y &= -3\end{aligned}$$

Find the remaining values of y  
Plot on the graph below...



Example # 4:  $y = 3x - 1$

x	y
-2	-7
-1	-4
0	
1	
2	

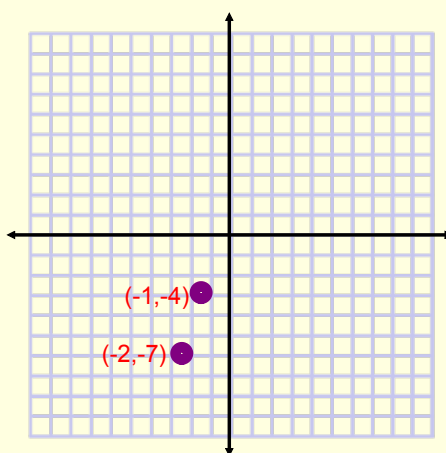
ex:

$$\begin{aligned}y &= 3x - 1 \\y &= 3(-2) - 1 \\y &= -6 - 1 \\y &= -7\end{aligned}$$

ex:

$$\begin{aligned}y &= 3x - 1 \\y &= 3(-1) - 1 \\y &= -3 - 1 \\y &= -4\end{aligned}$$

Find the remaining values of y  
Plot on the graph below...



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