

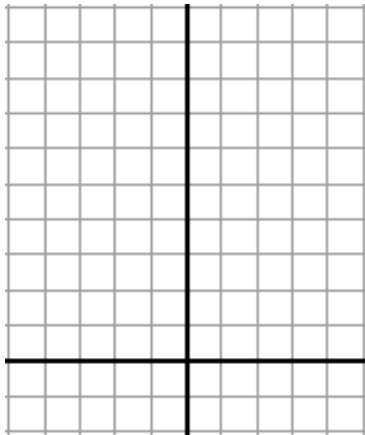
**MPM 2D**  
**Review of Essential Skills #3: Graphing Linear Relationships**

**Instructions:** Complete the following questions. Please be sure to graph accurately, with a ruler!

1. Use the table of values provided to create the graph for  $y = 2x + 5$ . Explain how the table of values was created!

x	y
-2	1
-1	3
0	5
1	7
2	9

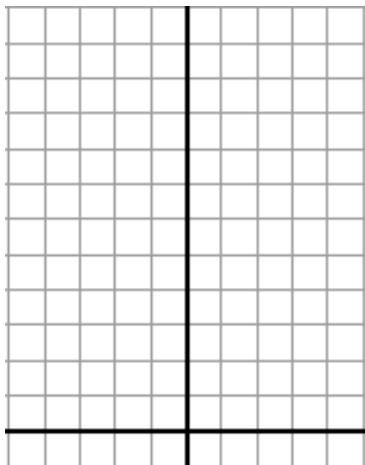
Explanation:



2. Create a table of values for  $3x + y = 6$  and graph the line on the grid provided.

x	y
-2	
-1	
0	
1	
2	

Explanation:



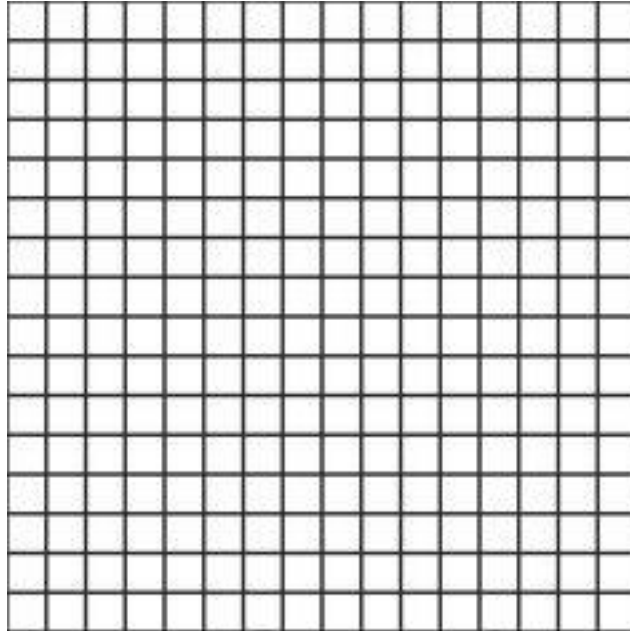
3. Find the x and y intercepts for each of the following lines, and then use them to graph the lines on the grid provided on the back side of this paper.

a.  $2x - 4y = 8$

b.  $5x + 3y = 10$

c.  $2x = 3y - 6$

Space for graphing #3:



4. Rearrange the following equations so that they are in  $y = mx + b$  form. Use the equation to graph the lines.

a.  $2y = 4x + 8$

b.  $5x - y = -3$

c.  $-2x - 3y = 9$

