

Name(s) \_\_\_\_\_  
\_\_\_\_\_

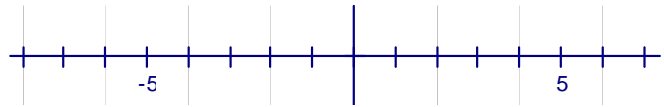
Solve

1)  $3(2x - 7) + 2x = -5$

2)  $4[7x - 2(x - 6)] = -12$

3)  $3(6 - x) + 5 > 14$

4)  $-1 \geq 2x + 7 > 13$



5)  $12x - 8y = 12$   
 $-6x + 4y = 0$

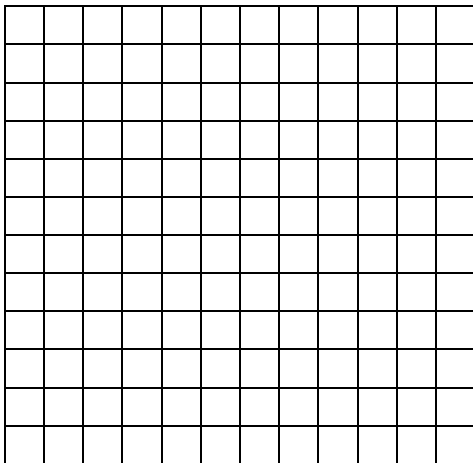
6)  $4x - 3y = -3$   
 $4x + 5y = 5$

7) Write the equation that generated the table:

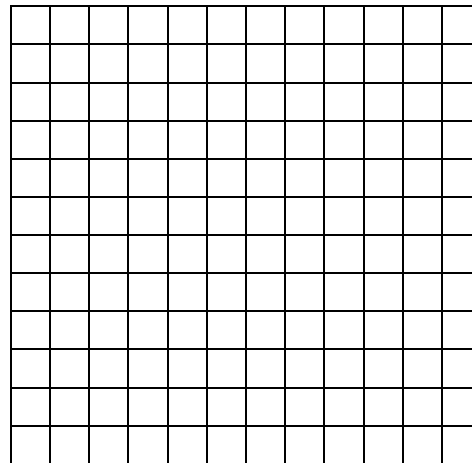
x	y
-4	7
-1	4
2	1
5	-2

8) What is the slope of a line parallel to  $y = x - 5$ ?

9) What is the slope of a line perpendicular to  $y = \frac{1}{2}x + \frac{7}{2}$ ?



10) Graph  $y < -\frac{1}{2}x$   
 $x \geq -2$



11) Graph  $y = 2x^2$

12) Find the vertex  
 $y = x^2 - 4x + 3$

13) How many solutions?  
 $y = 3x^2 + 6x + 2$