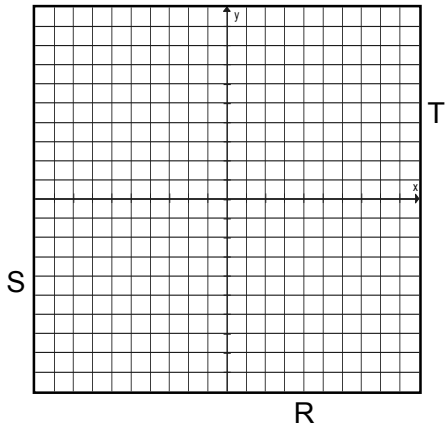
Name: _____ **Date:** _____ **Period:** _____

1.05 HW - Graphing Linear Equations & Inequalities

Identify the slope and y-intercept and use these to graph each equation below. The graph, if extended, will cross a letter. Print this letter in each box on the back page that contains the number of that exercise.

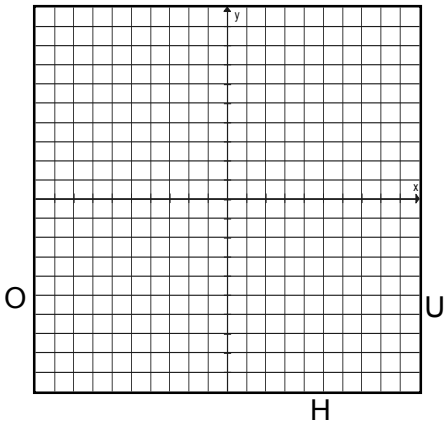
1. $y=\frac{2}{3}x-3$

m = **b =**



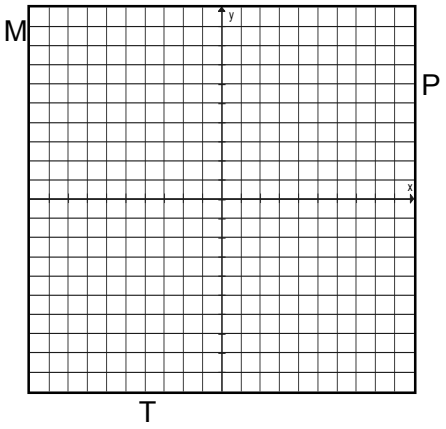
2. $y=-\frac{3}{4}x+3$

m = **b =**



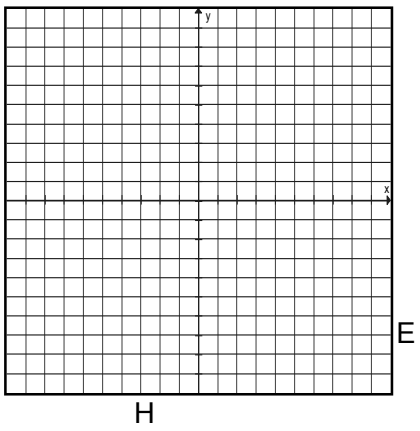
3. $y=-\frac{1}{2}x+2$

m = **b =**



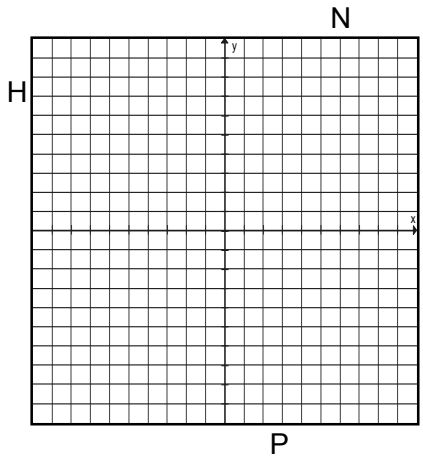
4. $6x-5y+15=-5$

m = **b =**



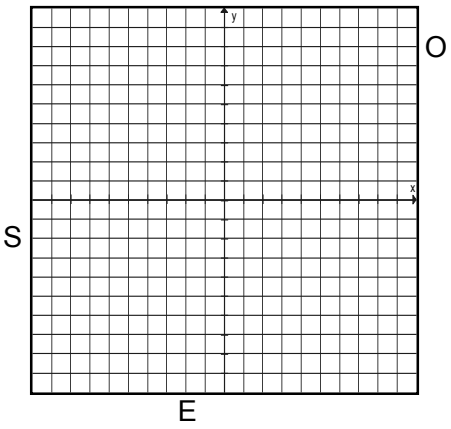
5. $-2(x+y)=6$

m = **b =**



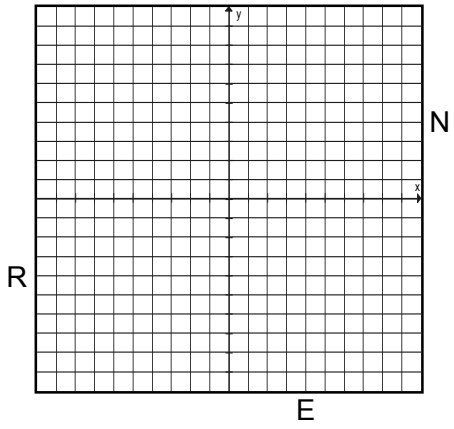
6. $y=-2$

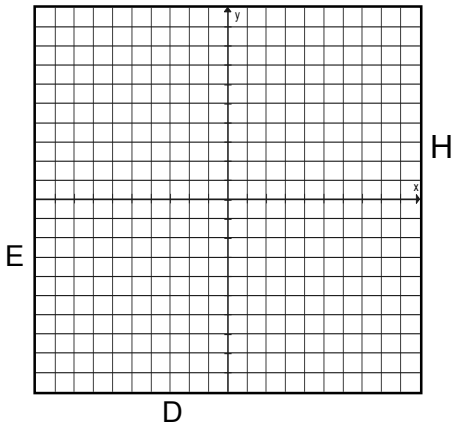
m = **b =**

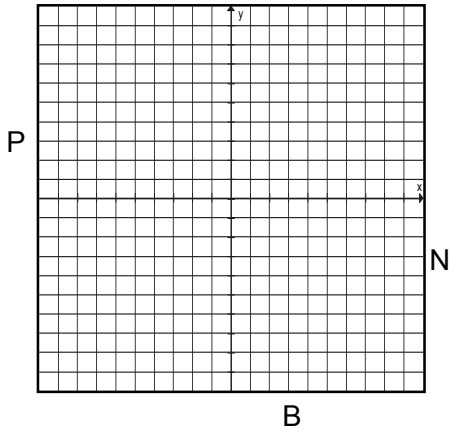


7. $x = 4$ **8.** $x + 3 = 0$ **9.** $2x - 6 = 0$

m = **b =** **m =** **b =** **m =** **b =**





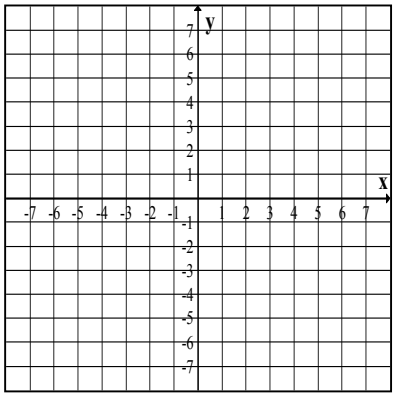


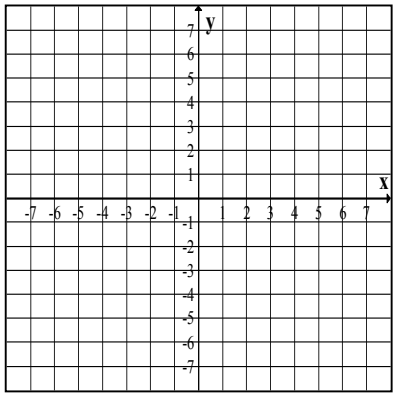
Why did the cow want a divorce?

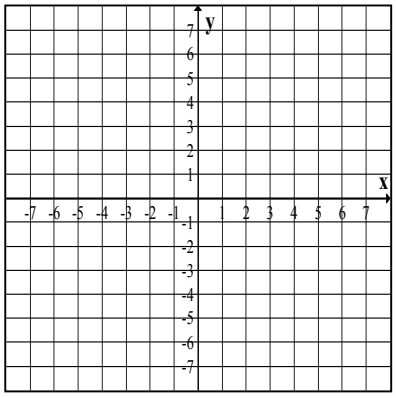
6	5	7	5	4	8	4	9	2	3	6	1	7	7	
														R

Graph the following inequalities. Test the point (0,0) to determine shading.

10. $y > -\frac{5}{4}x - 5$ **11.** $3x - y > 6$ **12.** $y \leq 5$







13. Graph the inequality to determine which points are solutions.

$$y \geq -\frac{1}{3}x + 2$$

A. A only
B. A and B only
C. C only
D. C and D only