Slope-intercept form - Day2

Name

According to Some Students, What Is the True Purpose of Homework?

Write each equation below in slope-intercept form. Then find the slope and *y*-intercept at the bottom of the page. Write the letter of the exercise above them.

(O) $2x + 5y = 10$

(N) $4x + 3y = 9$

(L) $-2x + 3y = -21$

(I) $-x + 4y = 20$

(A) $3x - 5y = 5$

(U) $-7x - 4y = 16$

(R) $4x - 2y = 7$

(I) $9x + 3y = 1$

(S) $6x - y = 4$

(G) $4x + 3y = 8$

(N) $5x - 9y = -7$

(F) $-2x + 7y = 0$

(T) $12x = 2y + 1$

(F) $x + 4 = 4y$

(H) $4x - 6y + 3 = 0$

(V) $y - 2 = 0$

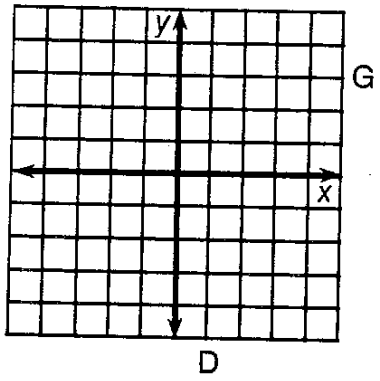
slope	$\frac{1}{4}$	6	$\frac{2}{7}$	$-\frac{2}{5}$	2	$\frac{1}{4}$	$\frac{2}{3}$	$\frac{3}{5}$	$\frac{2}{3}$	0	-3	$-\frac{4}{3}$	$-\frac{4}{3}$	$\frac{2}{3}$	$\frac{1}{4}$	$-\frac{7}{4}$	$\frac{5}{9}$
	$\frac{1}{5}$	$-\frac{1}{2}$	-4	-3	2	0	2	$-\frac{7}{2}$	$-\frac{7}{2}$	$\frac{1}{2}$	-1	-7	$\frac{1}{3}$	3	$\frac{8}{3}$	-1	1	-4	$\frac{7}{9}$
y-intercept																			

  OBJECTIVE 5–K: To find the slope and *y*-intercept of a line, given its equation.

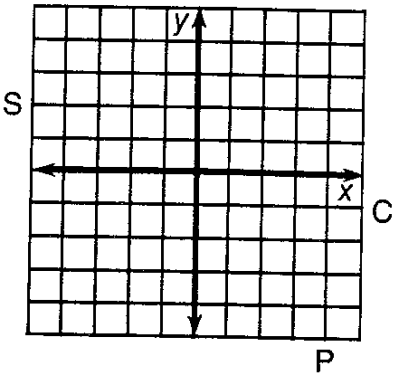
Why Did the Cow Want a Divorce?

Graph each equation below. The graph, if extended, will cross a letter. Look for this letter in the string of letters near the bottom of the page and CROSS IT OUT each time it appears. When you finish, write the remaining letters in the rectangle at the bottom of the page.

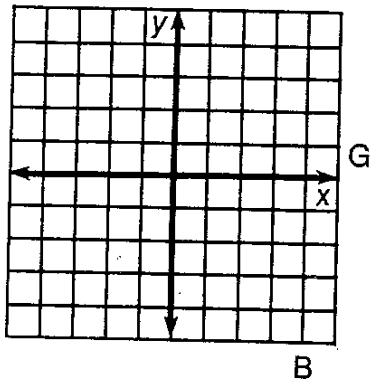
① $y = -2$



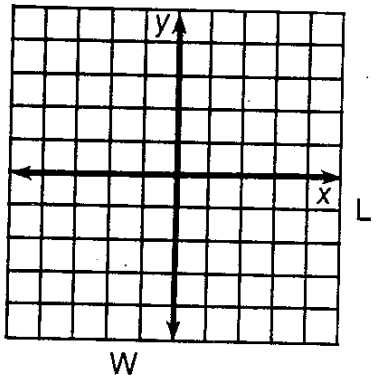
② $x = 4$



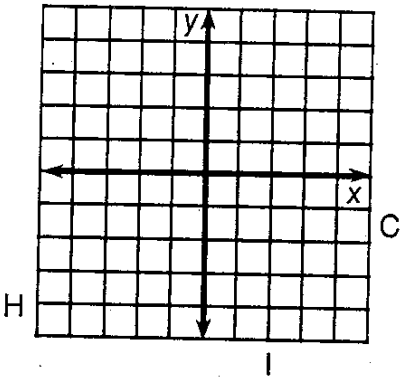
③ $2x - 3y = 9$



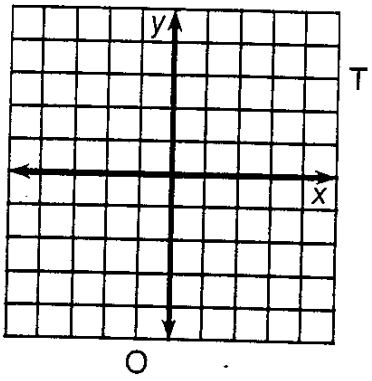
④ $x + 2y - 4 = 0$



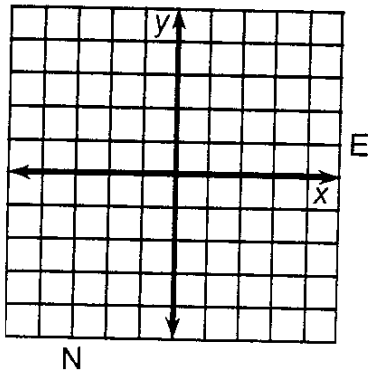
⑤ $3x + 4y = 12$



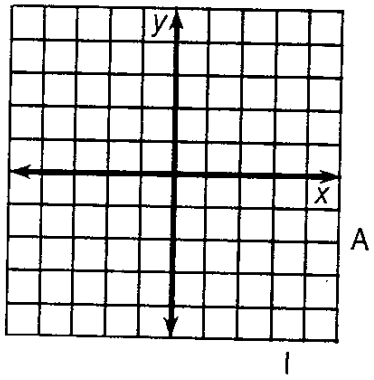
⑥ $6x - 5y + 20 = 0$



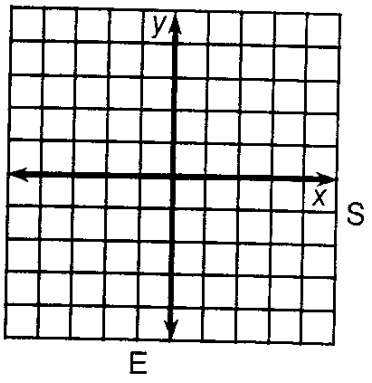
⑦ $x + 3 = 0$



⑧ $2x - 7 = 0$



⑨ $-2x = 2y + 5$



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Answer:

  OBJECTIVE 5–m: To graph a line given its equation (includes vertical lines).