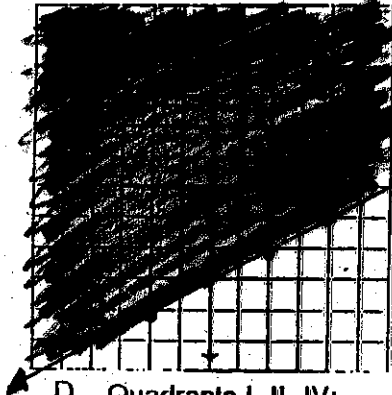


Why Did the Three Pigs Leave Home?

Graph each inequality below. Circle the letter of the statement that correctly describes the location of the graph. Print this letter in each box at the bottom of page 31 that contains the number of the exercise.

① $y \geq \frac{1}{2}x - 3$

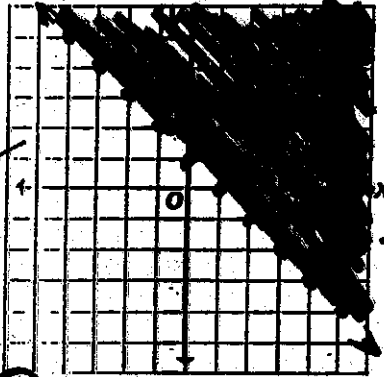


D Quadrants I, II, IV; includes boundary line.

E All four quadrants; includes boundary line.

I Quadrants I, III, IV; excludes boundary line.

② $x + y > 1$

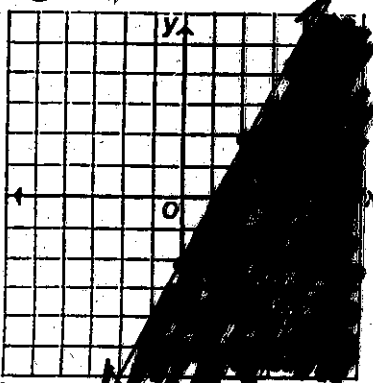


S Quadrants I, II, IV; excludes boundary line.

B All four quadrants; includes boundary line.

F Quadrants I, III, IV; excludes boundary line.

③ $y \leq 2x - 2$



L Quadrants I, II, IV; includes boundary line.

T Quadrants I, III, IV; includes boundary line.

V All four quadrants; excludes boundary line.

④ $3x + 2y < 6$

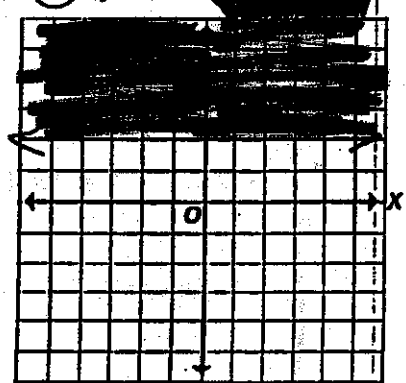


C Quadrants II, III, IV; excludes boundary line.

M Quadrants I, II, IV; includes boundary line.

O All four quadrants; excludes boundary line.

⑤ $y \geq 2$



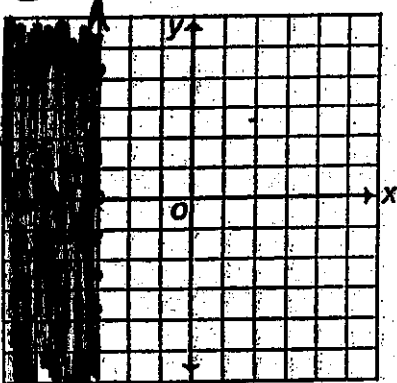
R All four quadrants; excludes boundary line.

U Quadrants II, III; includes boundary line.

H Quadrants I, II; includes boundary line.



6 $x < -3$

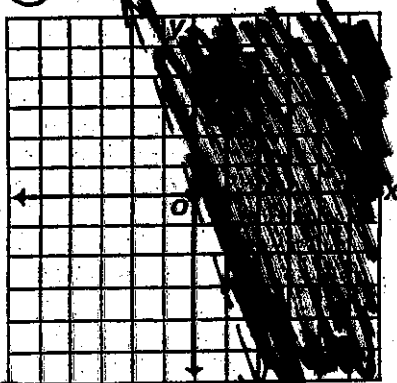


L Quadrants I, II;
excludes boundary line.

W Quadrants II, III;
excludes boundary line.

G Quadrants I, III;
excludes boundary line.

9 $3x + y > 0$

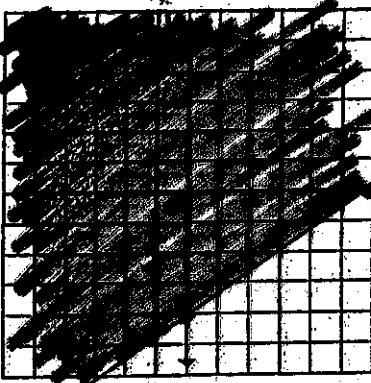


R Quadrants I, II, IV;
excludes boundary line.

L All four quadrants;
includes boundary line.

M Quadrants I, III, IV;
excludes boundary line.

7 $2x - 3y \leq 12$



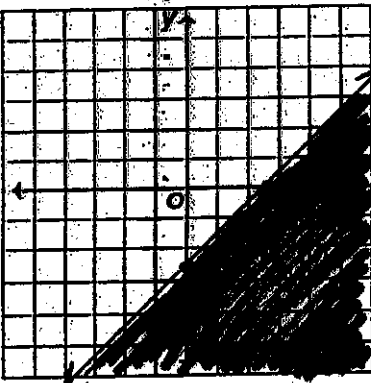
K Quadrants I, III, IV;
excludes boundary line.

U Quadrants II, III, IV;
includes boundary line.

I All four quadrants;
includes boundary line.

$2x - 2y = 5$

10 $2(x - y) \geq 5$



Y All four quadrants;
excludes boundary line.

U Quadrants II, III, IV;
includes boundary line.

A Quadrants I, III, IV;
includes boundary line.

8 $5x + 3y < x + 6$



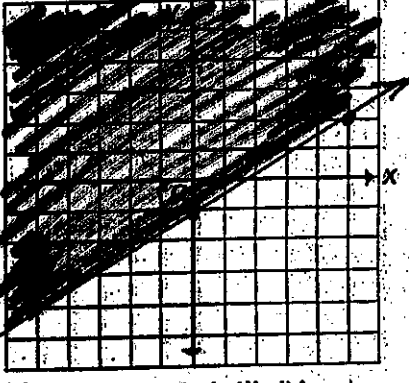
F All four quadrants;
excludes boundary line.

P Quadrants I, II, III;
excludes boundary line.

M Quadrants I, III, IV;
excludes boundary line.

$5y \geq 3x - 5$

11 $5y - 2 \geq 3x - 7$



N Quadrants I, III, IV;
excludes boundary line.

B All four quadrants;
includes boundary line.

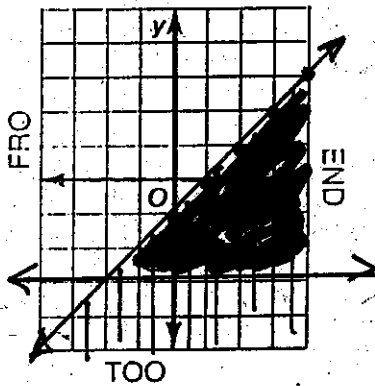
D Quadrants I, II, IV;
includes boundary line.

3 5 1 7 9 8 10 3 5 1 9 6 10 2 10 11 4 10 9
T H E I R F A T H E R W A S A B O A R

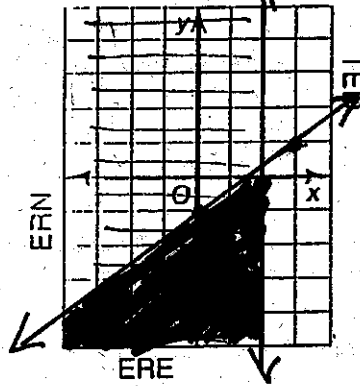
What Did the Toothless Old Termite Say When He Entered a Tavern ?

Graph each pair of inequalities below and indicate the solution set of the system with crosshatching or shading. The crosshatching or shading, if extended, would cover a set of three letters. Print these letters in the three boxes at the bottom of the page that contain the exercise number.

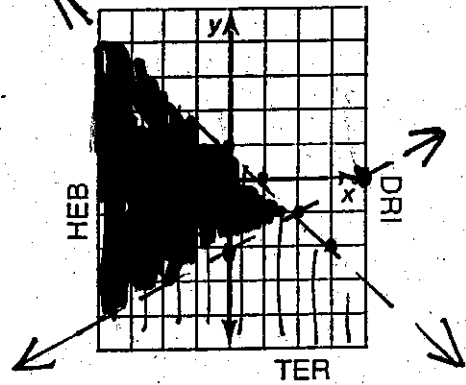
① $y \leq x - 1$
 $y \geq -3$



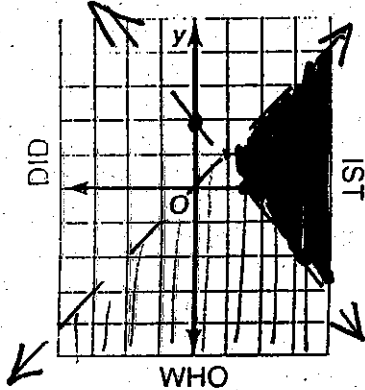
② $x \leq 2$
 $y \leq \frac{2}{3}x - 1$



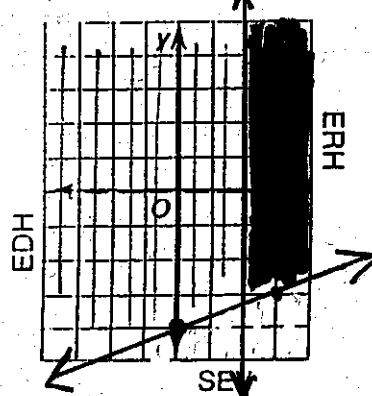
③ $y < -x + 1$
 $y > \frac{1}{2}x - 2$



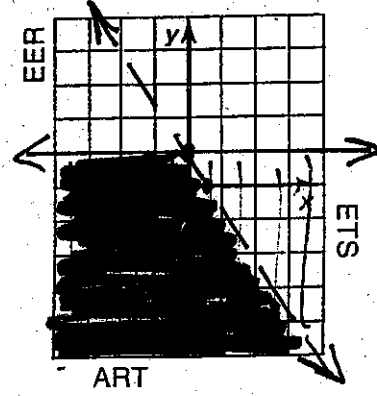
④ $y < x$
 $3x + 2y > 4$



⑤ $x - 3y \leq 12$
 $x > 2$



⑥ $y \leq 1$
 $2x + y \leq 1$



4	4	4	3	3	3	6	6	6	1	1	1	5	5	5	2	2	2
I	S	T	H	E	B	A	R	T	E	N	D	E	R	H	E	R	E