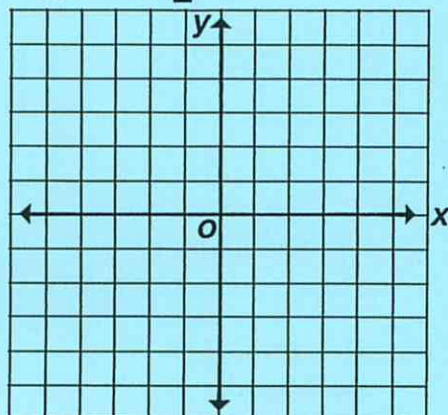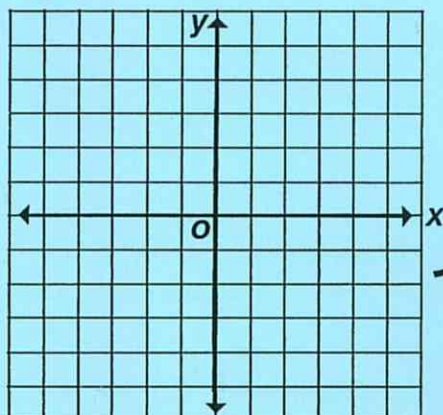# Why Did the Three Pigs Leave Home?

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.
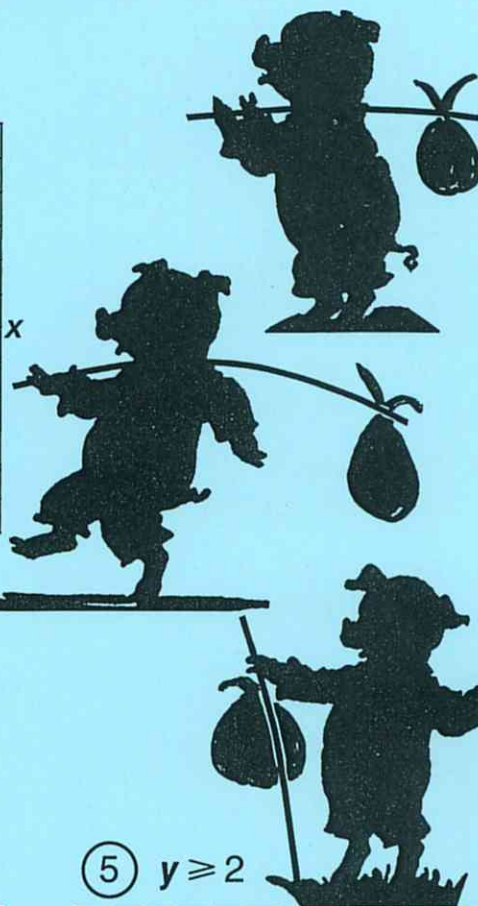
① $y \geq \frac{1}{2}x - 3$

② $x + y > 1$

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

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

E All four quadrants;
   includes boundary line.

B All four quadrants;
   includes boundary line.

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

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

③ $y \leq 2x - 2$

④ $3x + 2y < 6$

⑤ $y \geq 2$

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

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

R All four quadrants;
   excludes boundary line.
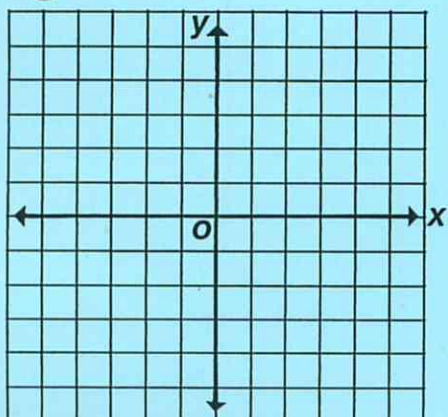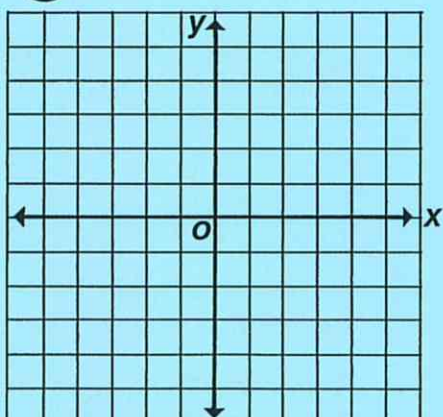
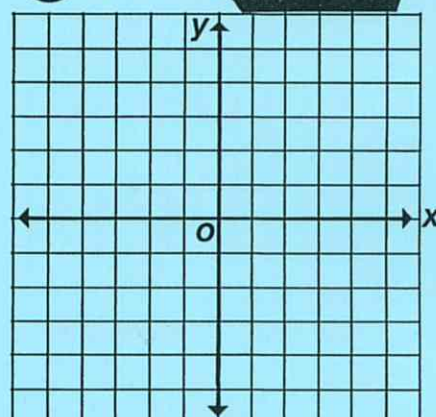T Quadrants I, III, IV;
   includes boundary line.

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

U Quadrants II, III;
   includes boundary line.

V All four quadrants;
   excludes boundary line.

O All four quadrants;
   excludes boundary line.

H Quadrants I, II;
   includes boundary line.

OBJECTIVE 2–i: To graph linear inequalities in two variables
(inequalities are not necessarily solved for *y*).