


HAMMIN' IT UP

What do they put on a criminal pig?

Solve the following linear systems by graphing. To reveal the riddle's answer at the bottom of the page, write the letter of each problem above its solution.

 **Tip:** To solve a linear system by graphing, you must graph both linear equations and find the point at which the two lines intersect. Always check the x and y values of your solution algebraically in both equations to confirm your answer.

M. $3x - 4y = -9$
 $-x - 4y = -13$

A. $-x + y = -2$
 $8x - 3y = -4$

C. $5x - 7y = 4$
 $-x + 8y = 19$

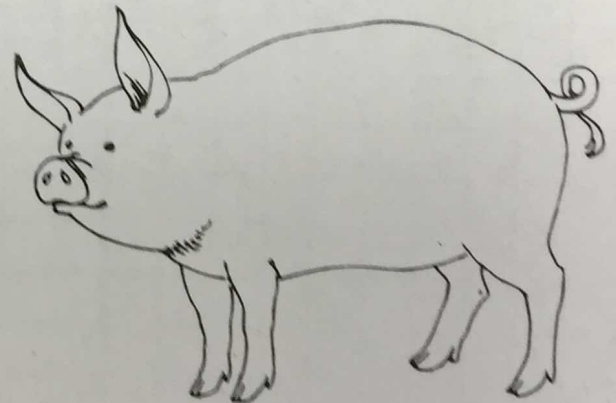
U. $y = -x$
 $y = x$

F. $5x - 2y = 14$
 $6x - 4y = 12$

S. $-9x - 10y = -11$
 $6x - 7y = -20$

H. $-2x + 6y = 8$
 $x = -1$

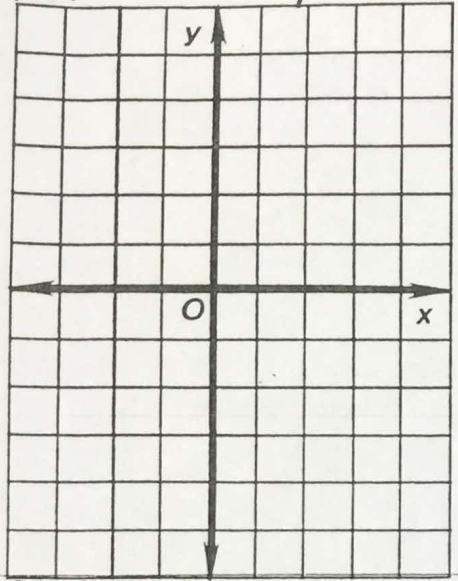
F. $3x - 5y = -14$
 $y = 4$



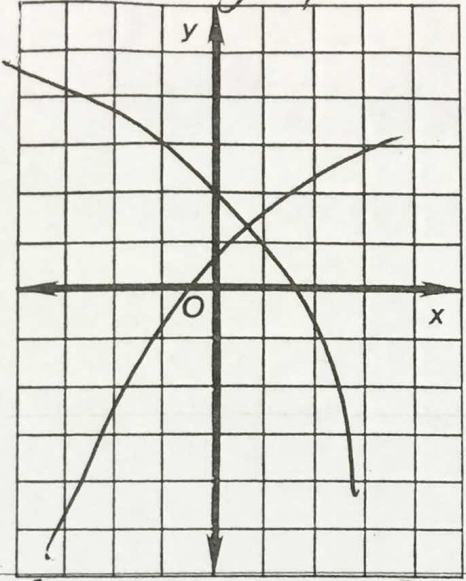
Answer:

(-1,1) (-2,-4) (1,3) (5,3) (0,0) (4,3) (2,4) (-1,2)

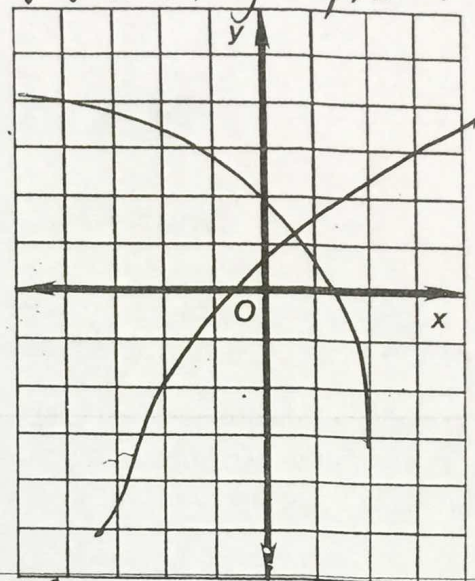
M. $-x - 4y = -13$



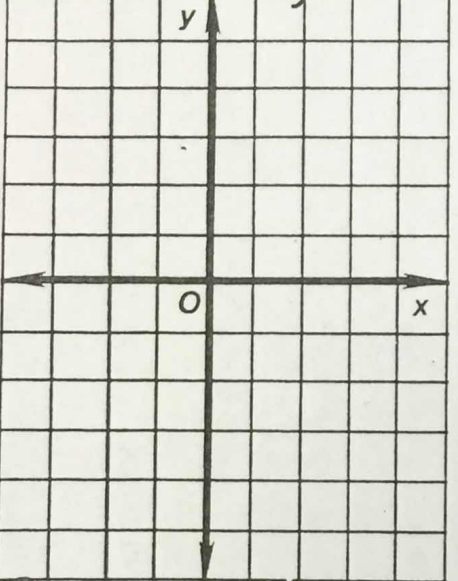
C. Next graph sheet



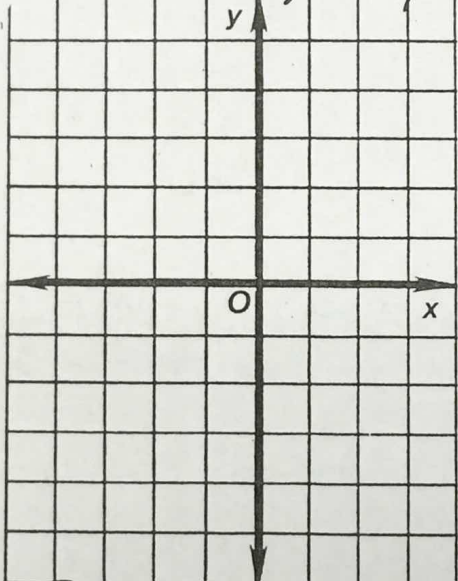
F. Next graph sheet



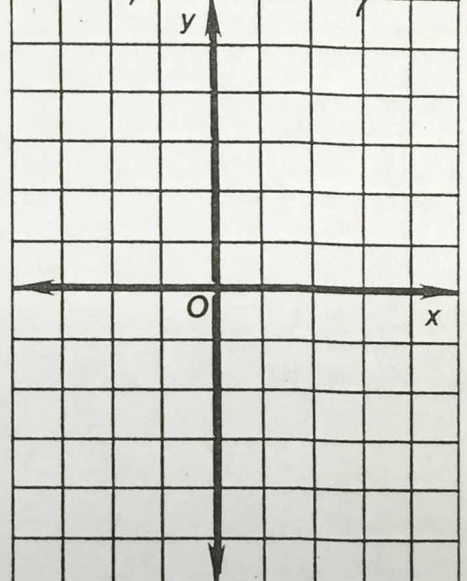
H. $-2x + 6y = 8$; $x = -1$



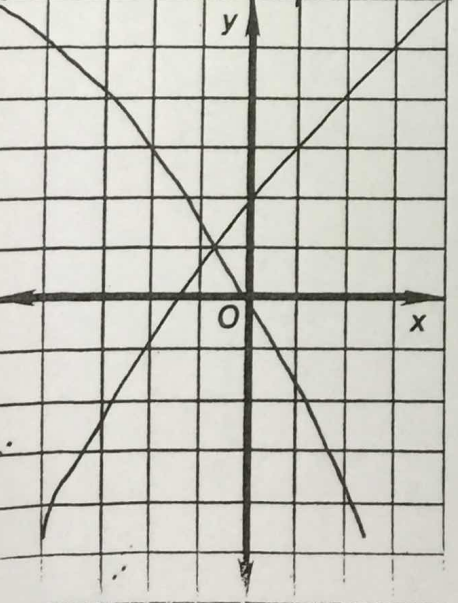
A. $-x + y = -2$; $8x - 3y = -4$



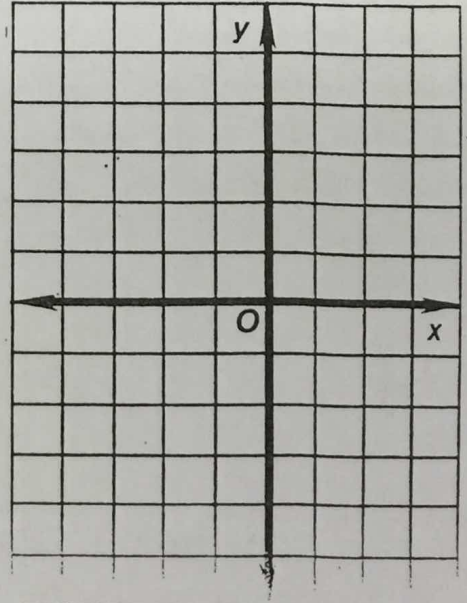
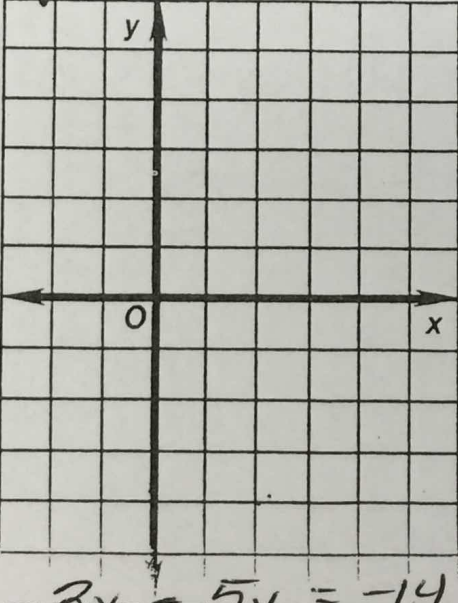
U. $y = -x$ $y = x$



S. Next Graph

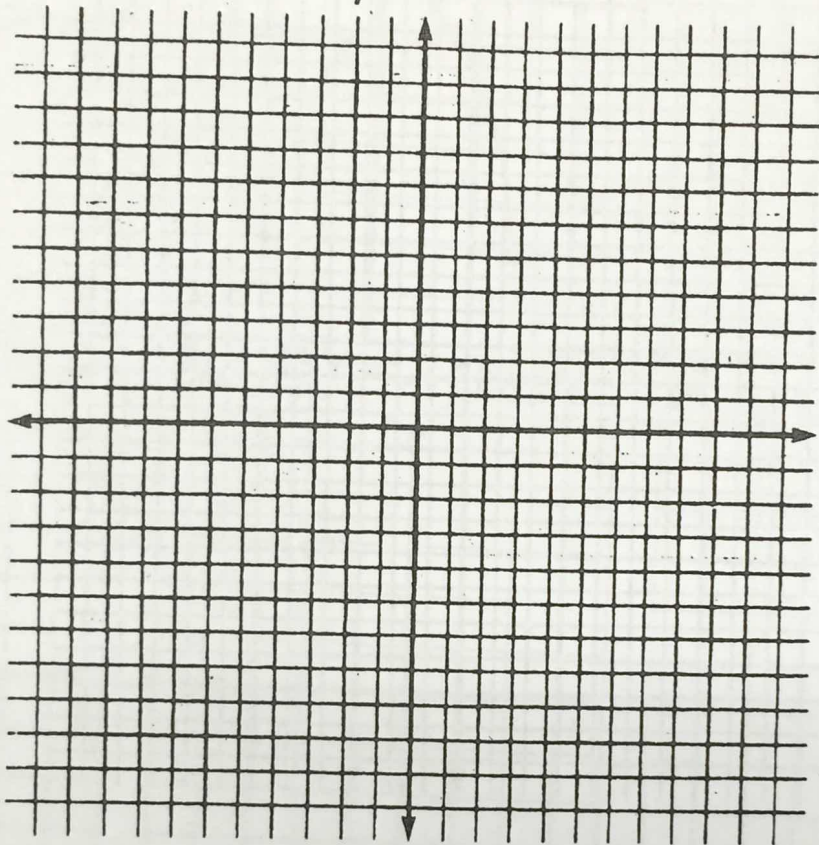


F

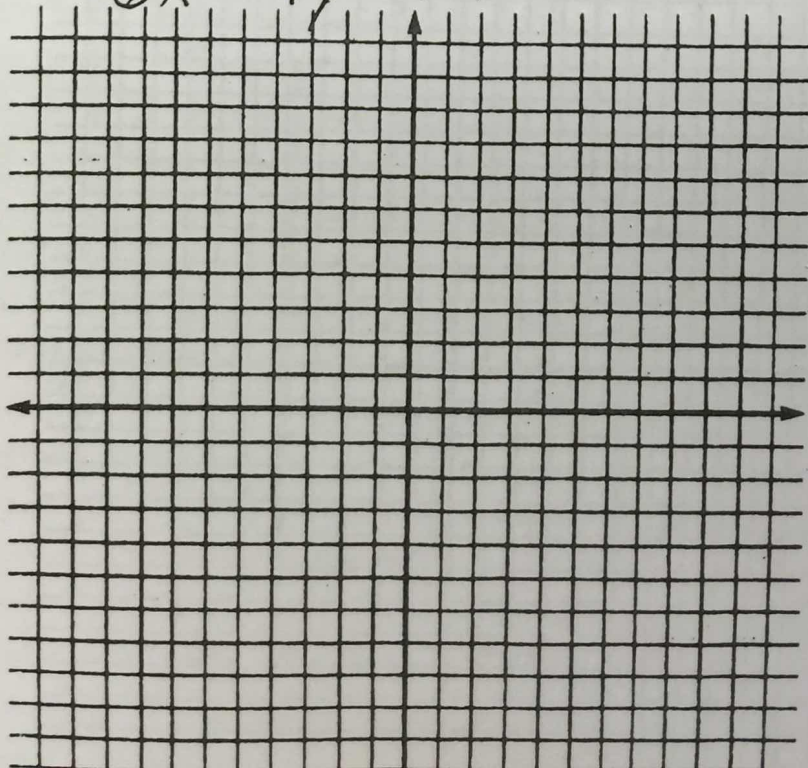


$3x - 5y = -14$
 $y = 4$

C. $5x - 7y = 4$
 $-x + 8y = 19$



F. $5x - 2y = 14$
 $6x - 4y = 12$



$$5. \quad \begin{aligned} -9x - 10y &= -11 \\ 6x - 7y &= -20 \end{aligned}$$

