

4-3 Homework

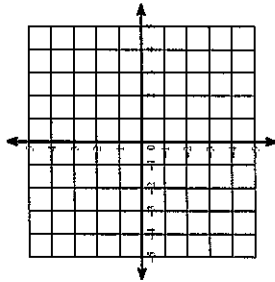
Name _____

Date _____

Solving Systems of Equations by Graphing

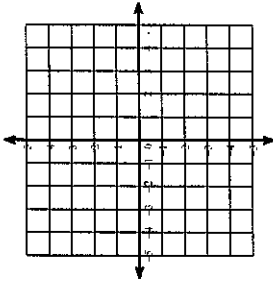
Solve each system by graphing (find the point of intersection of the two lines).

1) $y = 2x - 3$
 $y = -3x + 2$

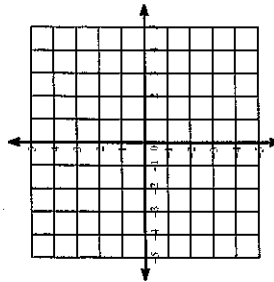


2) $y = -\frac{5}{3}x + 1$

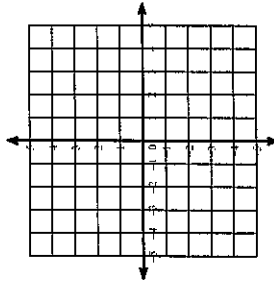
$y = -\frac{1}{3}x - 3$



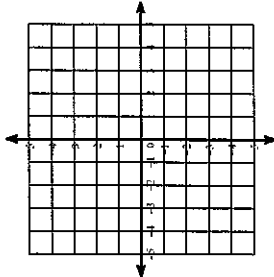
3) $y = -x + 1$
 $x = 3$



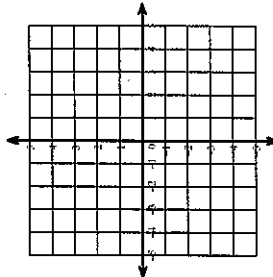
4) $y = 4x + 1$
 $y = x - 2$



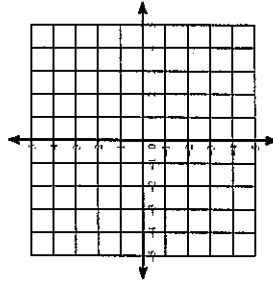
5) $y = -\frac{1}{3}x + 2$
 $y = -2x - 3$



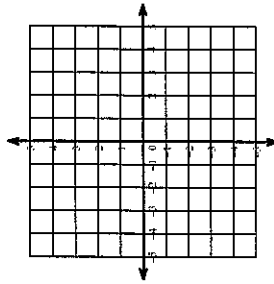
7) $y = \frac{4}{3}x - 3$
 $y = 1$



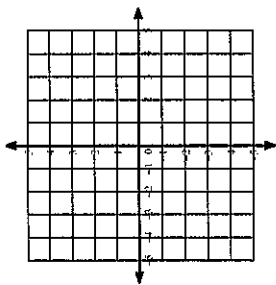
6) $y = -\frac{1}{4}x + 3$
 $y = -\frac{3}{2}x - 2$



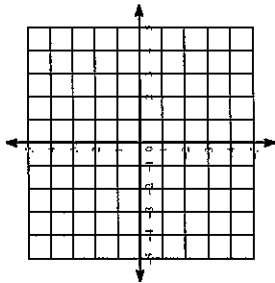
8) $y = -2x - 4$
 $y = 4x + 2$



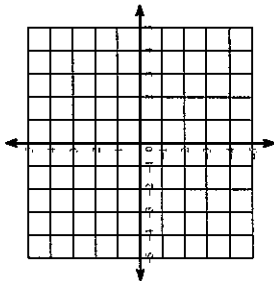
$$9) \begin{cases} y = -\frac{3}{2}x + 4 \\ y = \frac{3}{2}x - 2 \end{cases}$$



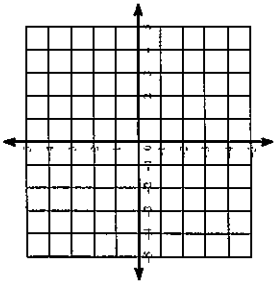
$$10) \begin{cases} y = 2x - 4 \\ y = \frac{1}{4}x + 3 \end{cases}$$



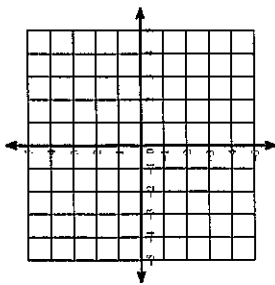
$$15) \begin{cases} 2x + y = 1 \\ 2x - y = 3 \end{cases}$$



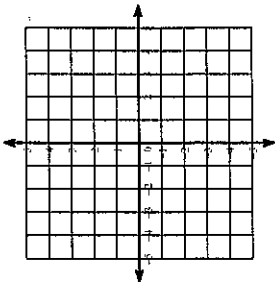
$$16) \begin{cases} x - 3y = -6 \\ 2x - y = 3 \end{cases}$$



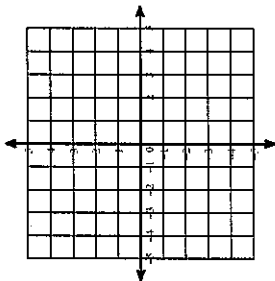
$$11) \begin{cases} 5x + y = 4 \\ x - y = 2 \end{cases}$$



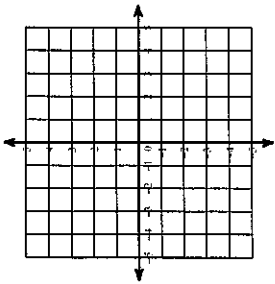
$$12) \begin{cases} x - 4y = -4 \\ 5x - 4y = 12 \end{cases}$$



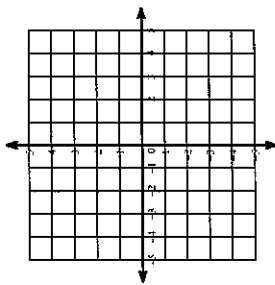
$$17) \begin{cases} x + 3y = -12 \\ 5x - 3y = -6 \end{cases}$$



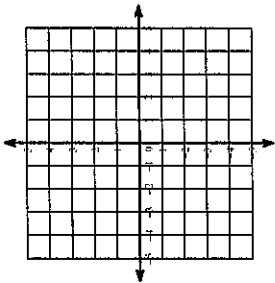
$$18) \begin{cases} 2x + y = -4 \\ x + 4y = 12 \end{cases}$$



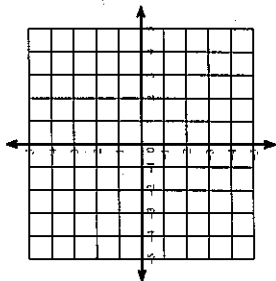
$$13) \begin{cases} x + y = 3 \\ 8x + y = -4 \end{cases}$$



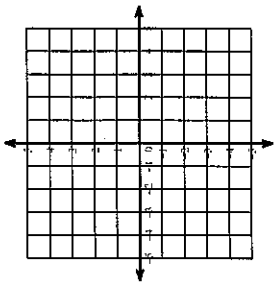
$$14) \begin{cases} x - y = 2 \\ x = -2 \end{cases}$$



$$19) \begin{cases} x + 2y = 8 \\ x - 2y = -4 \end{cases}$$

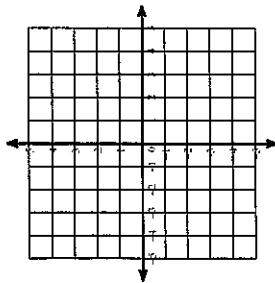


$$20) \begin{cases} 2x + 3y = -12 \\ 5x - 3y = -9 \end{cases}$$

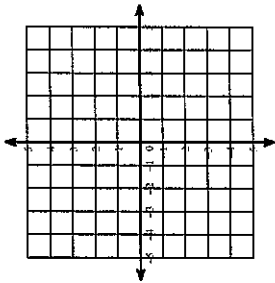


Solve each system by graphing (find the point of intersection of the two lines).

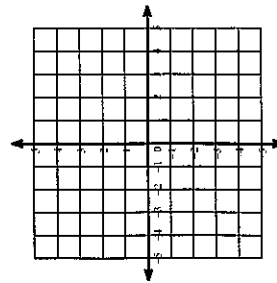
21) $-6x + y = 4$
 $-y - 2x = 4$



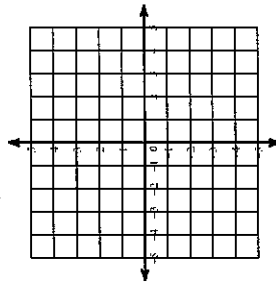
22) $-y - 3 + 4x = 0$
 $-4 = -3x - y$



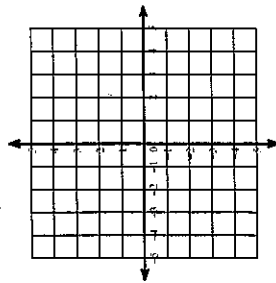
23) $0 = -3x - 4 - 2y$
 $2 - \frac{1}{2}x = y$



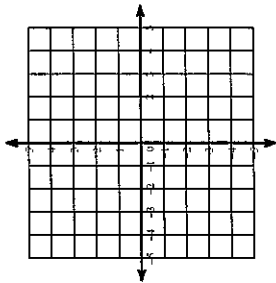
24) $-2x - y = 1$
 $-6x = 3y + 3$



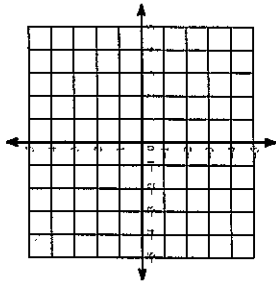
25) $x - 2y + 8 = 0$
 $-6 - 2y = -x$



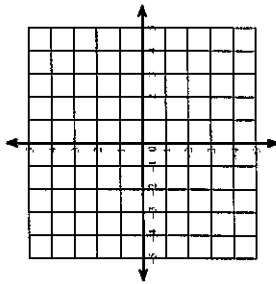
26) $-2y - 5x = 2$
 $-5x = 2y - 4$



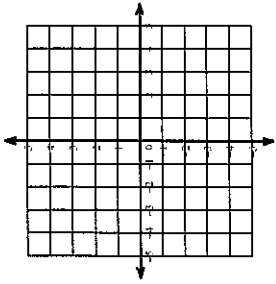
27) $2y + x - 4 = 0$
 $2y = -x + 4$



29) $-2x = -8 - 2y$
 $-2y - 8 = -2x$



28) $-4 = -2y$
 $4 + 6x = -y$



30) $2y + 4 + 3x = 0$
 $-2y = 8 + 3x$

