

Algebra I

Name \_\_\_\_\_

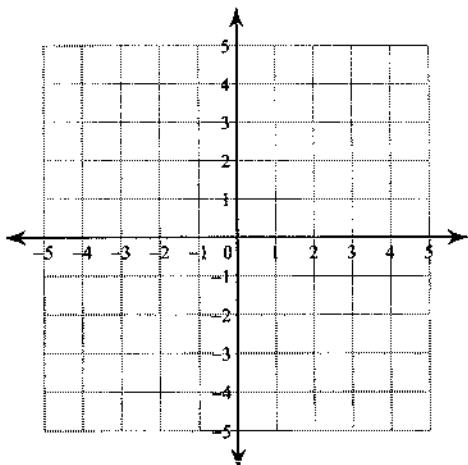
**Assignment**

Date \_\_\_\_\_ Period \_\_\_\_\_

**Solve each system by graphing.**

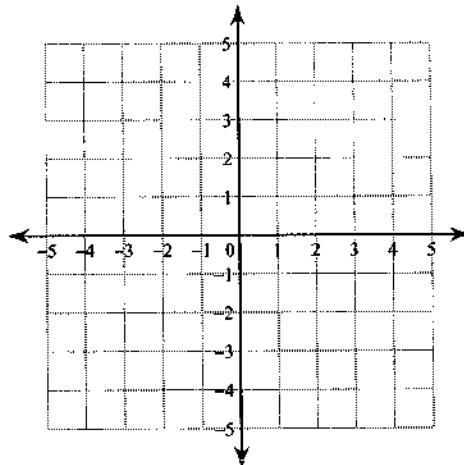
1)  $y = -\frac{1}{2}x + 4$

$y = \frac{5}{2}x - 2$



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

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

**Solve each system by elimination.**

3)  $-3x + 5y = -6$   
 $-9x - 5y = -18$

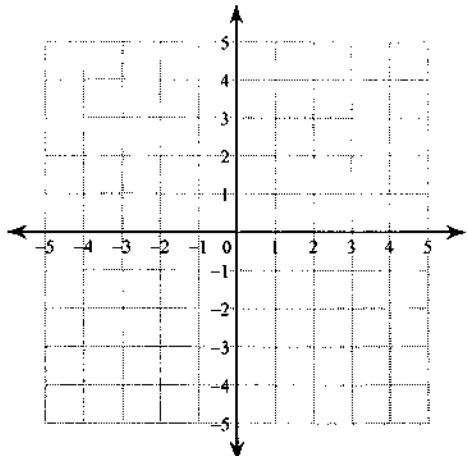
4)  $2x + 5y = 3$   
 $5x + 5y = -15$

5)  $x - 2y = -11$   
 $8x + 4y = -28$

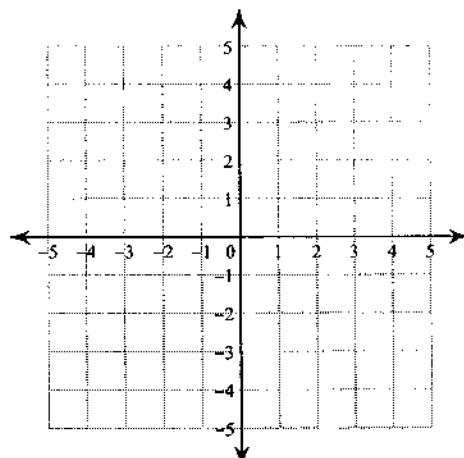
6)  $3x + 6y = 6$   
 $-9x + 12y = 12$

Solve each system by graphing.

7)  $y = -4x - 3$   
 $y = 2x + 3$



8)  $y = -\frac{1}{4}x - 4$   
 $y = x + 1$



Solve each system by elimination.

9)  $-4x + 9y = 28$   
 $4x - 9y = -28$

10)  $-10x + 4y = -16$   
 $-10x + 4y = -10$

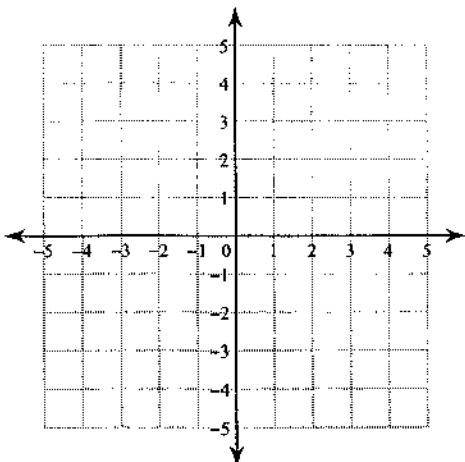
11)  $2x - 4y = -6$   
 $-x - 2y = -13$

12)  $-6x + 10y = 20$   
 $3x - 5y = -8$

Solve each system by graphing.

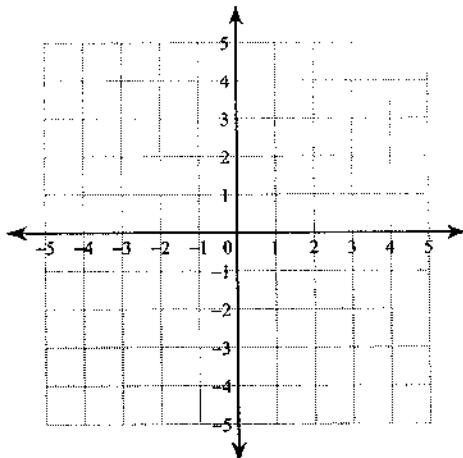
13)  $y = -\frac{1}{4}x - 3$

$y = x + 2$



14)  $y = x + 3$

$y = 8x - 4$



Solve each system by elimination.

15)  $5x - 2y = -4$   
 $-5x + 5y = 10$

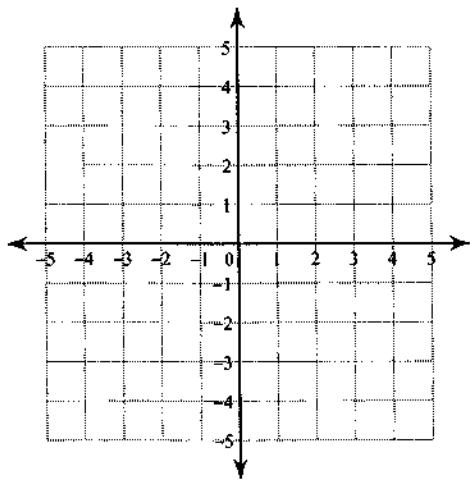
16)  $2x + 3y = 4$   
 $2x + 8y = 24$

17)  $4x + y = -6$   
 $6x - 2y = -16$

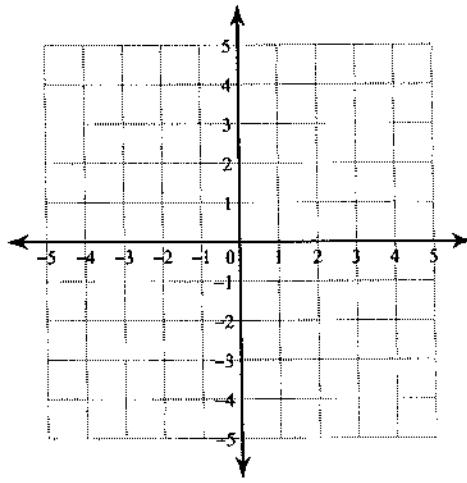
18)  $-10x + 15y = 0$   
 $-6x + 5y = -8$

Solve each system by graphing.

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



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



**Solve each system by elimination.**

$$21) \begin{aligned} -6x + 5y &= -4 \\ 5x - 5y &= 10 \end{aligned}$$

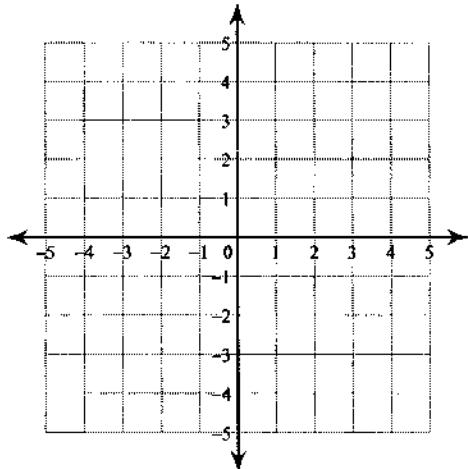
$$22) \begin{aligned} -2x - y &= -16 \\ 6x - y &= 16 \end{aligned}$$

$$23) \begin{aligned} 4x - 8y &= -8 \\ 3x - 2y &= -22 \end{aligned}$$

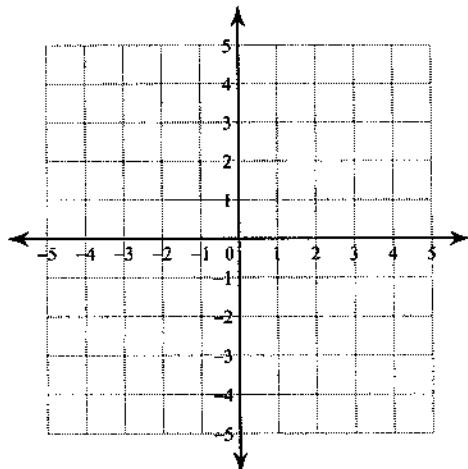
$$24) \begin{aligned} -10x - 10y &= 10 \\ -2x + y &= -22 \end{aligned}$$

**Solve each system by graphing.**

$$25) \begin{aligned} y &= -\frac{1}{2}x + 1 \\ y &= \frac{1}{4}x - 2 \end{aligned}$$



$$26) \begin{aligned} y &= -2x - 4 \\ y &= -2x - 1 \end{aligned}$$



**Solve each system by elimination.**

$$27) \begin{aligned} 4x - 4y &= -20 \\ -4x + y &= 5 \end{aligned}$$

$$28) \begin{aligned} 4x - y &= -7 \\ -3x - y &= 0 \end{aligned}$$

$$29) \begin{aligned} -x - 3y &= -23 \\ 10x - y &= 13 \end{aligned}$$

$$30) \begin{aligned} 6x + 6y &= 12 \\ -12x + 7y &= -5 \end{aligned}$$