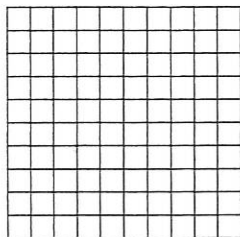


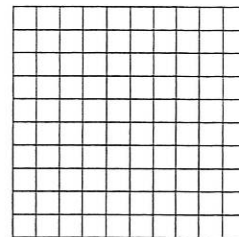
## The Graphing Method; The Substitution Method

Solve each system by the graphing method.

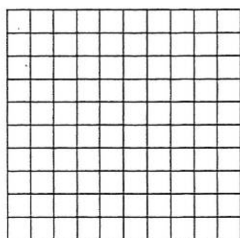
1.  $y = x$   
 $y = 8 - 3x$



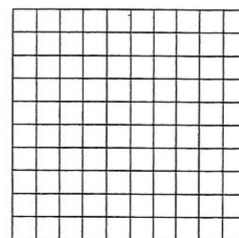
2.  $y = x + 1$   
 $y = 2x - 1$



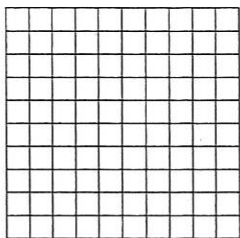
3.  $y = -x$   
 $y = x + 2$



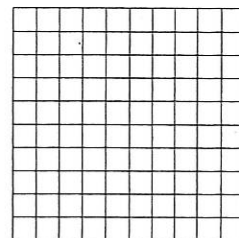
4.  $x + y = 3$   
 $y = 2x - 3$



5.  $x - y = 4$   
 $3x + y = 0$



6.  $y = 2x$   
 $x + y = 6$



Solve each system by the substitution method.

*ALL work on separate paper!*

7.  $y = 2$   
 $x + 3y = -1$  \_\_\_\_\_

8.  $x + y = 8$   
 $x - y = 4$  \_\_\_\_\_

9.  $y = 2x$   
 $x + y = 12$  \_\_\_\_\_

10.  $x + y = 5$   
 $3x - 2y = 10$  \_\_\_\_\_

11.  $x = 2y + 3$   
 $2x - 3y = 4$  \_\_\_\_\_

12.  $m - 3n = 1$   
 $4m + 6n = 10$  \_\_\_\_\_

13.  $\frac{a}{4} - b = -1$   
 $a + b = 11$  \_\_\_\_\_

14.  $6a - b = -5$   
 $4a - 3b = -8$  \_\_\_\_\_

*Elimination*  
**Multiplication with the ~~Addition or Subtraction~~ Method**

ALL WORK SHOULD BE ON  
SEPARATE PAPER!

*Elimination*

Solve by the ~~addition or subtraction~~ method.

6.  $x + y = 8$   
 $x - y = 2$  \_\_\_\_\_

7.  $2m + n = 1$   
 $m - n = 8$  \_\_\_\_\_

8.  $x - y = 8$   
 $2x + y = 4$  \_\_\_\_\_

9.  $2k - 5p = -5$   
 $6k - 5p = -17$  \_\_\_\_\_

10.  $3x - y = -5$   
 $2x + 2y = -6$  \_\_\_\_\_

11.  $4x + y = -1$   
 $4x + 3y = -8$  \_\_\_\_\_

*elimination*

Solve by using multiplication with the ~~addition or subtraction~~ method.

1.  $3x + 2y = 2$   
 $x - 4y = 3$  \_\_\_\_\_

2.  $2x - 3y = -3$   
 $x + y = 6$  \_\_\_\_\_

3.  $x + 3y = 8$   
 $2x + y = 6$  \_\_\_\_\_

4.  $3x + 7y = -2$   
 $2x - 5y = -11$  \_\_\_\_\_

5.  $x - 2y = 10$   
 $4x + 5y = 14$  \_\_\_\_\_

6.  $9x + 7y = 4$   
 $2x - y = 6$  \_\_\_\_\_

7.  $7x + 3y = 1$   
 $2x - 5y = 12$  \_\_\_\_\_

8.  $3x + 4y = -5$   
 $5x + 6y = -7$  \_\_\_\_\_

9.  $\frac{a}{3} + \frac{b}{4} = 1$

10.  $\frac{x}{4} + y = -4$

$\frac{a}{6} + b = -3$  \_\_\_\_\_

$x + \frac{y}{3} = 6$  \_\_\_\_\_