

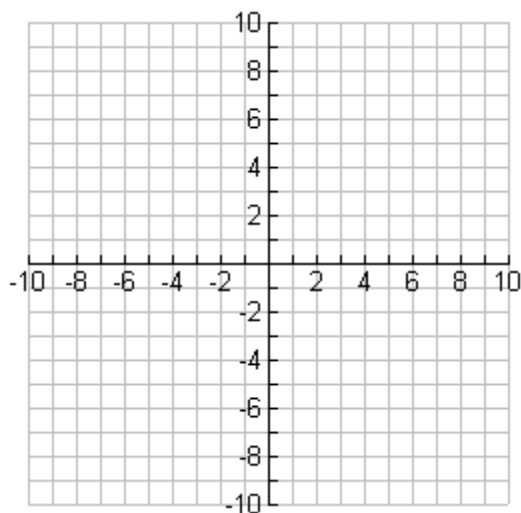
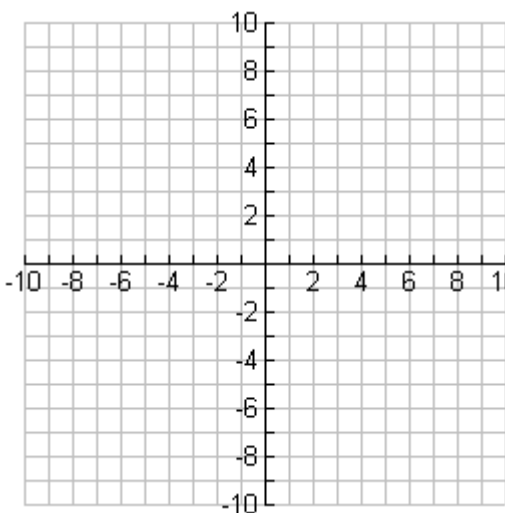
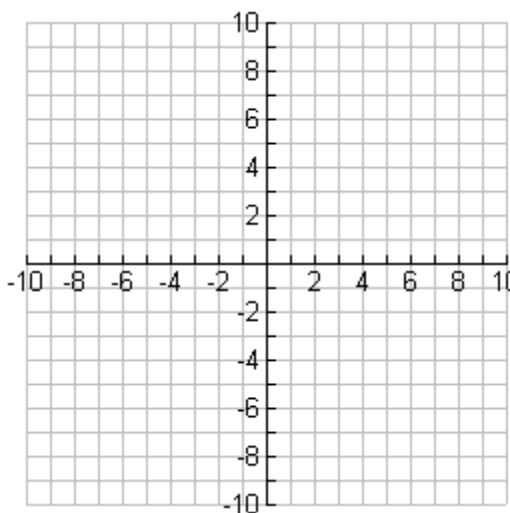
Systems of Equations Quiz Review

Graph the linear system and estimate the solution. Then check the solution algebraically.

1. $x + 2y = 7$
 $3x + y = 6$

2. $2x + 3y = 1$
 $2x - y = 5$

3. $4x - 3y = 8$
 $4x + 2y = -12$



Solve the system using the substitution method.

4. $2x + 4y = -4$
 $x - 2y = 10$

5. $2x + y = -3$
 $-6x - 4y = 0$

6. $4x + y = -1$
 $8x + 2y = -2$

Solve the system using the elimination method.

7. $2x + 4y = -10$
 $-3x - 2y = -1$

8. $6x + 12y = -7$
 $x + 2y = 2$

9. $5x + 4y = -3$
 $3x - 7y = 17$

Solve the system by either algebraic method.

10. $2x + 3y = 5$
 $x - 5y = 9$

11. $-x - 4y = -3$
 $2x + y = 15$

12. Last year you mowed grass and shoveled snow for 10 households. You earned \$200 per house mowing and \$180 per house shoveling snow. If you earned a total of \$1880 last year, for how many houses did you mow their lawn?