Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_

**Unit 10 Mixed Review**

Solve each equation by finding and factoring out the greatest common factor.

1. 2.

Solve by completing the square.

3.  4. 

Solve by factoring.

5.  6. 

Solve each equation by using the square root method.

7.  8.

Solve by using the quadratic formula.

9.  10. 

Determine the solutions using the graphs below.

11. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 12. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Find the value of the discriminant of each quadratic equation. Then describe the number of real solutions.

13.  14. 

Solve by any method.

15  16. 

17. 18. 