

Name \_\_\_\_\_ Period \_\_\_\_\_

**Geometry D Worksheet – Review Quadratic Formula**

Find the value of  $b^2 - 4ac$  for the equation.

1.  $15x^2 - 10x + 1 = 0$

2.  $\frac{1}{3}x^2 - 6x + 3 = 0$

3.  $4x^2 + x = \frac{1}{2}$

4.  $-5x^2 - 12x = -8$

5.  $6x^2 - 4 = -9x$

6.  $8x - 12 = -3x^2$

Use the quadratic formula to solve the equation.

7.  $-x^2 + x + 2 = 0$

8.  $4x^2 - 6x = -2$

9.  $3x^2 - 2 = -x$

10.  $8x = -15x^2 - 1$

11.  $8x^2 + 26x - 15 = 0$

12.  $9x^2 - 9x = 1$

13.  $-6x + 3x^2 = -1$

14.  $7x - 5 = -4x^2$

15.  $2x^2 = 6 + 19x$

16.  $-9x^2 + 1 = 5x$

17.  $-7 + 4x^2 = -6x$

18.  $6x^2 + 16x = -1$