

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