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