

Solving Equations

Emphasis on Quadratic Equations by Quadratic Formula – Additional Practice

Solve each of the following.

1. $-6x = 3x^2 - 18$

2. $x^2 + 6x = 0$

3. $x^2 - 3x - 1 = 0$

4. $x^2 - 5x - 6 = 18$

5. $4x^2 = -8x - 3$

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

7. $x^2 + 10x = 5$

8. $x^2 - 2x - 3 = 0$

9. $-x^2 - 3x + 1 = 0$

10. $-14 = x^2 + 9x$

11. $4x - 4 = -15x^2$

12. $2x^2 - 15 = -7x$

13. $x^2 - 36 = 0$

14. $x^2 - 2x + 1 = 0$

15. $9x^2 = -6x - 1$

16. $-4 + 20x - 25x^2 = 0$

17. $64 + 16x = -x^2$

18. $x^2 = -8x - 16$

19. $-32 = -x^2 - 4x$

20. $x^2 - 24 = 10x$