

Solving Equations
Emphasis on Quadratic Equations by Quadratic Formula

Solve each of the following.

1. $x^2 + 15 = 16x$

2. $48 - 26x = -x^2$

3. $-x^2 - 7x = -30$

4. $-22x - 48 + x^2 = 0$

5. $x^2 - 51 - 7x = 5 + 3x$

6. $3x^2 + 3 = -10x$

7. $3x + 1 = -2x^2$

8. $12x^2 - 3x = 9$

9. $x - x^2 = -30$

10. $15x^2 = 7x + 2$

11. $x^2 + 7x + 9 = 0$

12. $x^2 - 9x + 5 = 0$

13. $x^2 + 9x - 2 = -16$

14. $5x^2 + 16x - 6 = 3$

15. $3x^2 - 3 = -5x - 1$

16. $x^2 + 6x + 5 = 0$

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

18. $-6x^2 + 3x + 19 = 0$

19. $0 = 7x^2 + 6x - 5$

20. $-3 = 7x + 2x^2$