

Section 5.6

Exercises

Solve the following equations by using the quadratic formula.

1. $x^2 + 5x + 3 = 0$

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

3. $x^2 - 5x - 14 = 0$

4. $x^2 + 2x - 63 = 0$

5. $x^2 - 12 = 0$

6. $x^2 - 48 = 0$

7. $x^2 + 8x + 16 = 0$

8. $x^2 - 14x + 49 = 0$

9. $4x^2 - 4x + 1 = 0$

10. $9x^2 + 12x + 4 = 0$

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

12. $x^2 - 8x + 1 = 0$

13. $x^2 - 5x + 10 = 0$

14. $x^2 + 3x + 7 = 0$

15. $3x^2 - 9x + 1 = 0$

16. $2x^2 + 3x - 6 = 0$

Solve each of these equations using the method of your choice.

17. $x^2 + 7x - 44 = 0$

18. $49x^2 = 25$

19. $x^2 - 84 = 0$

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

21. $3x^2 + 4x + 6 = 0$

22. $10x^2 + 3x - 1 = 0$

23. $x^2 - 6x - 8 = 0$

24. $(x - 4)^2 - 5 = 7$

25. $3x^2 - 8x + 2 = 0$