

Solve by the quadratic formula.

1. $4x^2 + 12x + 7 = 0$ $x = \frac{-3 + \sqrt{2}}{2}$ or $\frac{-3 - \sqrt{2}}{2}$

2. $25x^2 - 10x - 71 = 0$

3. $4x^2 - 16x + 11 = 0$

4. $9x^2 - 6x - 49 = 0$

5. $2x^2 + 10x + 11 = 0$

6. $4x^2 - 24x - 89 = 0$

7. $9x^2 - 6x - 79 = 0$

8. $20x^2 - 23x + 6 = 0$

9. $3x^2 + 7x - 8 = 0$

10. $7x^2 - 3x - 5 = 0$

11. $4x^2 - 28x + 37 = 0$

12. $9x^2 + 6x - 74 = 0$

13. $4x^2 + 16x - 109 = 0$

14. $3x^2 + 6x + 2 = 0$

15. $6x^2 - x + 1 = 0$

16. $5x^2 - 7x + 8 = 0$

17. $3x^2 + 2x + 5 = 0$

18. $9x^2 - 6x - 19 = 0$

19. $5x^2 - 3x - 3 = 0$

20. $18x^2 - 27x + 10 = 0$

21. $4x^2 + 8x - 23 = 0$

22. $9x^2 - 38x + 17 = 0$

23. $15x^2 - 8x + 1 = 0$

24. $6x^2 - 7x - 2 = 0$

25. $4x^2 + 4x - 5 = 0$

26. $2x^2 - 14x + 11 = 0$

27. $7x^2 - 3x + 2 = 0$

28. $4x^2 - 12x - 11 = 0$

29. $4x^2 - 28x + 31 = 0$

30. $4x^2 - 8x - 23 = 0$

31. $3x^2 - 7x - 9 = 0$

32. $5x^2 - 3x + 1 = 0$

33. $4x^2 + 4x - 17 = 0$

34. $4x^2 - 4x - 11 = 0$