

Equations Reducible To Quadratic

Solve for x

1. $x^4 - 13x^2 + 36 = 0$

2. $x^4 - 17x^2 + 16 = 0$

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4. $x^4 - 12x^2 + 27 = 0$

5. $x^4 - 11x^2 + 18 = 0$

6. $x^4 - 7x^2 + 12 = 0$

7. $x^4 + 5x^2 - 36 = 0$

8. $x^4 + 5x^2 + 4 = 0$

9. $x + \sqrt{x} - 20 = 0$

10. $x + 3\sqrt{x} - 40 = 0$

11. $x + 4\sqrt{x} - 12 = 0$

12. $x + \sqrt{x} - 12 = 0$

13. $x + \sqrt{x} - 2 = 0$

14. $x + \sqrt{x} - 6 = 0$

15. $2x^{-2} + x^{-1} - 15 = 0$

16. $5x^{-2} + 14x^{-1} - 3 = 0$

17. $3x^{-2} + 11x^{-1} + 6 = 0$

18. $2x^{-2} + 7x^{-1} - 15 = 0$

19. $(3 + \sqrt{x})^2 + 3(3 + \sqrt{x}) - 10 = 0$

20. $(1 + \sqrt{x})^2 + 5(1 + \sqrt{x}) + 6 = 0$

21. $(1 + \sqrt{x})^2 + 5(1 + \sqrt{x}) + 6 = 0$

22. $(3 - \sqrt{x})^2 - 10(3 - \sqrt{x}) + 23 = 0$

23. $(x^2 - 2)^2 - 12(x^2 - 2) + 20 = 0$

24. $(x^2 - 7)^2 - 3(x^2 - 7) + 2 = 0$

25. $(4x - 1)^2 - 8(4x - 1) + 12 = 0$

26. $(2x - 6)^2 + 6(2x - 6) + 5 = 0$

$$27. 9\left(\frac{x+2}{x+3}\right)^2 - 6\left(\frac{x+2}{x+3}\right) + 1 = 0$$

$$28. 16\left(\frac{x-1}{x-8}\right)^2 + 8\left(\frac{x-1}{x-8}\right) + 1 = 0$$

$$29. x^{2/3} - 2x^{1/3} - 8 = 0$$

$$30. x^{2/3} + x^{1/3} - 6 = 0$$