

Equations Quadratic In Form

Solve for x

1. $2x^4 - 7x^2 + 5 = 0$

2. $4x^4 - 8x^2 + 3 = 0$

3. $x^4 + 2x^2 - 15 = 0$

4. $3x^4 + 10x^2 - 25 = 0$

5. $(2x - 1)^{\frac{2}{3}} = x^{\frac{1}{3}}$

6. $(x - 3)^{\frac{2}{5}} = (4x)^{\frac{1}{5}}$

7. $x^{\frac{2}{3}} = 2x^{\frac{1}{3}}$

8. $3x^{\frac{3}{4}} = x^{\frac{1}{2}}$

9. $(x - 1)^{\frac{2}{3}} + (x - 1)^{\frac{1}{3}} - 12 = 0$

10. $(2x - 1)^{\frac{2}{3}} + 2(2x - 1)^{\frac{1}{3}} - 3 = 0$

11. $6(x + 2)^4 - 11(x + 2)^2 = -4$

12. $8(x - 4)^4 - 10(x - 4)^2 = -3$

13. $10x^{-2} + 33x^{-1} - 7 = 0$

14. $7x^{-2} - 10x^{-1} - 8 = 0$

15. $x^{-\frac{2}{3}} + x^{-\frac{1}{3}} - 6 = 0$

16. $2x^{-\frac{4}{3}} - x^{-\frac{2}{3}} - 1 = 0$

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

18. $x - 2\sqrt{x} - 15 = 0$