

# Solving Rational Equations

Solve the following equations using the LCD to clear fractions first. Note: You must check all answers.

$$1. \frac{1}{3} + \frac{4}{5} = \frac{x}{9}$$

$$2. \frac{1}{3} - \frac{1}{x} = \frac{5}{6}$$

$$3. \frac{2}{3} - \frac{1}{5} = \frac{7}{3x}$$

$$4. \frac{2}{6} + \frac{1}{2x} = \frac{1}{3}$$

$$5. y + \frac{4}{y} = -5$$

$$6. \frac{y-1}{y-3} = \frac{2}{y-3}$$

$$7. \frac{3}{x+2} = \frac{5}{x+4}$$

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

$$9. \frac{x^2+4}{x-1} = \frac{5}{x-1}$$

$$10. \frac{4}{a-7} = \frac{-2a}{a+3}$$

$$11. \frac{6}{a+1} = \frac{a}{a-1}$$

$$12. \frac{50}{f-2} - \frac{16}{f} = \frac{30}{f}$$

$$13. \frac{60}{w-5} - \frac{18}{w} = \frac{40}{w}$$

$$14. \frac{3}{x} + \frac{x}{x+2} = \frac{4}{x^2+2x}$$

$$15. \frac{x}{x+1} + \frac{5}{x} = \frac{1}{x^2+x}$$

$$16. \frac{5}{x+2} - \frac{3}{x-2} = \frac{2x}{4-x^2}$$

$$17. \frac{y+3}{y+2} - \frac{y}{y^2-4} = \frac{y}{y-2}$$

$$18. \frac{2}{a+4} + \frac{2a-1}{a^2+2a-8} = \frac{1}{a-2}$$

$$19. \frac{3}{x^2-6x+9} + \frac{x-2}{3x-9} = \frac{x}{2x-6}$$

$$20. \frac{3}{x^2-x-12} + \frac{2}{x^2+x-6} = \frac{4}{x^2-6x+8}$$

$$21. \frac{2}{x+3} - \frac{3x+5}{x^2+4x+3} = \frac{5}{x+1}$$

$$22. \frac{6}{x^2-2x-3} - \frac{1}{x^2-1} = \frac{2}{x^2-4x+3}$$

# Multiple Choice Solving Rational Equations

**G Psacharopoulos**



**Multiple Choice Solving Rational Equations:**

## Unveiling the Power of Verbal Art: An Psychological Sojourn through **Multiple Choice Solving Rational Equations**

In a world inundated with displays and the cacophony of immediate connection, the profound energy and psychological resonance of verbal art often diminish in to obscurity, eclipsed by the constant barrage of noise and distractions. Yet, situated within the musical pages of **Multiple Choice Solving Rational Equations**, a fascinating work of fictional beauty that pulses with natural emotions, lies an memorable trip waiting to be embarked upon. Penned by a virtuoso wordsmith, this exciting opus books readers on a mental odyssey, gently revealing the latent potential and profound impact stuck within the delicate web of language. Within the heart-wrenching expanse with this evocative evaluation, we can embark upon an introspective exploration of the book is main subjects, dissect their charming publishing type, and immerse ourselves in the indelible effect it leaves upon the depths of readers souls.

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