

5. $\frac{2}{s+3} - \frac{1}{s-3} = 0$ $s=9$

7. $\frac{t}{t-1} = \frac{t+2}{t}$ $t=2$

9. $\frac{6t^2 - t - 1}{3(t^2 + 1)} = 2$ $t=-7$

11. $\frac{x}{x+3} + \frac{1}{x-3} = 1$ $x=6$

13. $\frac{1}{y-2} + \frac{1}{y+2} = \frac{4}{y^2-4}$ no solution

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

17. $\frac{6}{t} - \frac{2}{t-1} = 1$ $t=2, 3$

19. $\frac{u}{u-2} + \frac{30}{u+2} = 9$ $u=1, 3$

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

23. $\frac{5}{u^2+u-6} = 2 - \frac{u-3}{u-2}$ $u=-4$

25. $\frac{t}{t-1} = \frac{1}{t+2} + \frac{3}{t^2+t-2}$ no solution