

1.	$3x + \frac{1}{2}x + 6 = 2x$	$x = -4$	21.	$\frac{3}{2} + \frac{3x}{2} - \frac{5x}{6} = 15$	$x = \frac{81}{4}$
2.	$\frac{3}{2}x + 8 = \frac{3}{5}x - 1$	$x = -10$	22.	$\frac{3x-11}{20} - \frac{5x-1}{14} = \frac{x-7}{10} - \frac{5x-6}{21}$	$x = \frac{-27}{29}$
3.	$\frac{4}{3}(x+1) = 2x - 1$	$x = \frac{7}{2}$	23.	$\frac{3x-17}{8} - \frac{1-4x}{3} = \frac{1-x}{4} - \frac{9+x}{6}$	$x = \frac{29}{51}$
4.	$\frac{x}{2} + \frac{2x}{3} - \frac{5x}{6} = 5x - 14$	$x = 3$	24.	$2 + \frac{3x-1}{15} + \frac{x-4}{5} = \frac{x+4}{3}$	$x = 1$
5.	$\frac{x-2}{4} - \frac{2x+6}{3} = 0$	$x = -6$	25.	$\frac{5x+7}{2} - \frac{3x+9}{4} = \frac{2x+5}{3} + 5$	$x = 5$
6.	$\frac{x+1}{5} + \frac{x-2}{6} = 1$	$x = \frac{34}{11}$	26.	$\frac{x-5}{2} - \frac{8-3x}{2} = 2 - \frac{9x}{2}$	$x = \frac{17}{13}$
7.	$\frac{2x+4}{4} - 2(x-3) = 5 - \frac{7x}{2}$	$x = -1$	27.	$5 - \frac{2x-8}{2} = \frac{3x}{2} - \frac{3-x}{5}$	$x = \frac{32}{9}$
8.	$\frac{x-5}{3} - \frac{2x-4}{12} = \frac{5-x}{4} - \frac{x}{3}$	$x = \frac{31}{9}$	28.	$\frac{x-2}{6} - \frac{3-2x}{5} = 6 - \frac{5x}{5}$	$x = \frac{208}{47}$
9.	$\frac{1}{x} + 1 = \frac{3}{x} - 3$	$x = \frac{1}{2}$	29.	$\frac{x-5}{9} - \frac{4-2x}{2} = 8 - \frac{8x}{2}$	$x = \frac{95}{46}$
10.	$\frac{2x-1}{3} - \frac{5x-4}{7} = \frac{x+5}{2} - 5$	$x = 5$	30.	$\frac{-6(5+x)}{2} = \frac{1}{3}\left(4 - \frac{4x}{2}\right) + \frac{3x}{2}$	$x = -\frac{38}{11}$
11.	$\frac{5x}{6} - \frac{3}{6} = \frac{2}{4} + \frac{x}{4}$	$x = \frac{12}{7}$	31.	$\frac{4(2+x)}{3} = \frac{1}{5}\left(8 - \frac{6x}{3}\right) + \frac{5x}{3}$	$x = \frac{-16}{15}$
12.	$\frac{x-4}{6} + \frac{2x-4}{8} = \frac{5x}{10} - \frac{5x-6}{12}$	$x = 5$	32.	$\frac{5(7+x)}{2} = \frac{1}{3}\left(5 - \frac{5x}{2}\right) + \frac{3x}{2}$	$x = -25$
13.	$\frac{x+2}{x} - \frac{1}{3} = \frac{4}{x}$	$x = 3$	33.	$\frac{-1}{2}\left(1 - \frac{3x}{2}\right) + \frac{6x}{2} = \frac{-3}{2}\left(\frac{6+x}{2}\right)$	$x = -\frac{8}{9}$
14.	$\frac{x+2}{3} - \frac{5x-3}{4} - 2x = 5$	$x = -\frac{43}{35}$	34.	$\frac{-1}{2}\left(4 - \frac{6x}{3}\right) + \frac{5x}{3} = \frac{-5}{3}\left(\frac{2+x}{2}\right)$	$x = \frac{2}{21}$
15.	$\frac{5+2x}{x} - \frac{1}{x^2} = 2$	$x = \frac{1}{5}$	35.	$\frac{-1}{3}\left(8 - \frac{4x}{2}\right) + \frac{2x}{2} = \frac{-6}{2}\left(\frac{7+x}{3}\right)$	$x = -\frac{13}{8}$
16.	$x(x-1) - (x-3) = x^2 - 1 - (x-2)$	$x = 2$	36.	$18 + \frac{3x+4}{5} = \frac{5x+4}{2} - \frac{2x-5}{2}$	$x = \frac{143}{9}$
17.	$\frac{x-1}{4} - \frac{x-5}{36} = \frac{x-5}{9}$	$x = -4$	37.	$\frac{x}{3} - \frac{13-2x}{2} = \frac{1}{6}$	$x = 5$
18.	$5x - 3(2x-4) = 9$	$x = 3$	38.	$\frac{15x-35}{10} + \frac{4-x}{3} = \frac{20}{4} + \frac{3x-3}{18}$	$x = 7$
19.	$\frac{3}{2} + 3x = \frac{5x}{9} - \frac{2x+1}{6}$	$x = \frac{-3}{5}$	39.	$\frac{4x}{2} + x = \frac{6x}{3} + 7$	$x = 7$
20.	$\frac{8x}{2} - 3 = 3x + 1$	$x = 4$	40.	$\frac{3x+1}{3} - \frac{5x-4}{7} = \frac{25}{21}$	$x = 1$