



1. Solve : $\frac{(x+4)}{2} + \frac{(x-2)}{3} = \frac{(x+3)}{6}$

- (i) $(\frac{-5}{4})$ (ii) $(\frac{-3}{2})$ (iii) $(\frac{-7}{6})$ (iv) $(\frac{-7}{4})$ (v) $(\frac{-3}{4})$

2. Solve : $\frac{x}{18} + \frac{(-x-2)}{6} = (-x-4)$

- (i) $(\frac{-33}{8})$ (ii) $(\frac{-35}{8})$ (iii) $(\frac{-31}{8})$ (iv) $(\frac{-41}{10})$ (v) $(\frac{-25}{6})$

3. Solve : $\frac{(-x+5)}{6} + \frac{(x-5)}{(x-1)} = \frac{(x-5)}{3}$

- (i) -3 (ii) -6 (iii) -4 (iv) -1 (v) -2

4. Solve : $(-x+3) + \frac{(x+4)}{6} = \frac{(-x+4)}{12}$

- (i) $\frac{38}{9}$ (ii) $\frac{14}{3}$ (iii) $\frac{48}{11}$ (iv) $\frac{40}{9}$ (v) $\frac{32}{7}$

5. Solve : $(-x+4) + \frac{(x+3)}{10} = (-x-1)$

- (i) -51 (ii) -53 (iii) -54 (iv) -52 (v) -55

6. Solve : $(x+4) + \frac{(-x+3)}{2} = \frac{(-x-2)}{2}$

- (i) -1 (ii) 0 (iii) 2 (iv) -4 (v) -2

7. Solve : $(x-1) + \frac{(x-3)}{2} = \frac{(-x-3)}{2}$

- (i) $\frac{1}{4}$ (ii) $\frac{1}{2}$ (iii) 1 (iv) $(\frac{-1}{2})$ (v) $\frac{3}{2}$

8. Solve : $\frac{(-2x)}{6} + \frac{(-5x)}{3} = \frac{(3x-4)}{2}$

- (i) $\frac{4}{9}$ (ii) $\frac{6}{7}$ (iii) $\frac{2}{7}$ (iv) $\frac{4}{5}$ (v) $\frac{4}{7}$

9. Solve : $\frac{(2x-3)}{2} + \frac{(-3x-2)}{8} = (x+4)$

- (i) $(\frac{-76}{5})$ (ii) $(\frac{-44}{3})$ (iii) -16 (iv) $(\frac{-46}{3})$

10. Solve : $\frac{(3x-5)}{16} + \frac{(-5x+1)}{8} = (-4x+1)$

- (i) $\frac{5}{17}$ (ii) $\frac{1}{5}$ (iii) $\frac{3}{19}$ (iv) $\frac{1}{17}$ (v) $\frac{3}{17}$

11. Solve : $2x + \frac{(-2x+2)}{4} = \frac{(5x-3)}{16}$

- (i) $(\frac{-9}{19})$ (ii) $(\frac{-11}{19})$ (iii) $(\frac{-11}{21})$ (iv) $(\frac{-11}{17})$ (v) $(\frac{-13}{19})$

12. Solve : $(3x-4) + \frac{(3x+4)}{10} = (-5x-5)$

- (i) $(\frac{-14}{85})$ (ii) $(\frac{-14}{83})$ (iii) $(\frac{-14}{81})$ (iv) $(\frac{-12}{83})$ (v) $(\frac{-16}{83})$

13. Solve : $(4x+5) + \frac{(2x-2)}{4} = (-5x+5)$

- (i) 4 (ii) 6 (iii) 7 (iv) 8 (v) 10

14. Solve : $\frac{(-5x-1)}{5} + \frac{(2x+4)}{7} = \frac{(-x+2)}{4}$

- (i) $(\frac{-2}{7})$ (ii) $(\frac{-16}{65})$ (iii) $(\frac{-18}{65})$ (iv) $(\frac{-4}{13})$ (v) $(\frac{-18}{67})$

15. Solve : $\frac{(-6x+1)}{(6x+2)} = \frac{(-6x+6)}{(6x+9)}$

- (i) $(\frac{-1}{24})$ (ii) $(\frac{-1}{8})$ (iii) $(\frac{-1}{22})$ (iv) $\frac{1}{24}$ (v) $(\frac{-1}{26})$

16. Solve : $\frac{9}{(-6x+7)} = \frac{(-5)}{(-6x+4)}$

- (i) $\frac{71}{86}$ (ii) $\frac{73}{84}$ (iii) $\frac{71}{84}$ (iv) $\frac{23}{28}$ (v) $\frac{71}{82}$

17. Solve : $\frac{(4x-8)}{(8x-2)} = -\frac{2}{5}$

- (i) 9 (ii) 6 (iii) 12 (iv) 8 (v) 10

18. Solve : $-\frac{1}{(5x-2)} = -\frac{1}{5x}$

- (i) $(\frac{-4}{5})$ (ii) $(\frac{-2}{3})$ (iii) 0 (iv) $(\frac{-2}{5})$ (v) $(\frac{-2}{7})$

19. Solve : $-\frac{6}{(x-7)} - \frac{7}{(x+7)} = -\frac{13}{x}$

- (i) 88 (ii) 91 (iii) 92 (iv) 90 (v) 94

20. Solve : $-\frac{5}{(x-2)} + \frac{1}{(x+7)} = \frac{2}{(x+7)} - \frac{6}{(x+6)}$

- (i) $(\frac{-96}{13})$ (ii) $(\frac{-80}{11})$ (iii) $(\frac{-36}{5})$ (iv) $(\frac{-94}{13})$ (v) $(\frac{-92}{13})$

21. Solve : $\frac{3}{(x+2)} - \frac{8}{(x-5)} = \frac{5}{(x-5)} - \frac{10}{(x+4)}$

- (i) $(\frac{-86}{37})$ (ii) $(\frac{-90}{37})$ (iii) $(\frac{-12}{5})$ (iv) $(\frac{-88}{37})$ (v) $(\frac{-92}{39})$

Assignment Key

1) (i)	2) (i)	3) (i)	4) (iv)	5) (ii)	6) (i)
7) (ii)	8) (v)	9) (iv)	10) (v)	11) (ii)	12) (ii)
13) (iii)	14) (iii)	15) (i)	16) (iii)	17) (i)	18) (iv)
19) (ii)	20) (iv)	21) (iv)			