



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

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

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

- (i) $(\frac{-16}{13})$ (ii) $(\frac{-16}{15})$ (iii) $(\frac{-14}{13})$ (iv) $(\frac{-12}{11})$ (v) $(\frac{-12}{13})$

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

- (i) $\frac{28}{5}$ (ii) $\frac{26}{5}$ (iii) $\frac{36}{7}$ (iv) $\frac{16}{3}$ (v) $\frac{24}{5}$

4. Solve : $\frac{17(x-4)}{16} = \frac{(x+3)}{4}$

- (i) $\frac{82}{13}$ (ii) $\frac{68}{11}$ (iii) $\frac{80}{13}$ (iv) 6 (v) $\frac{92}{15}$

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

- (i) 12 (ii) 9 (iii) 10 (iv) 11 (v) 13

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

- (i) -26 (ii) -27 (iii) -25 (iv) -23 (v) -28

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

- (i) $\frac{23}{41}$ (ii) $\frac{25}{41}$ (iii) $\frac{27}{41}$ (iv) $\frac{25}{39}$ (v) $\frac{25}{43}$

8. Solve : $\frac{(-4x)}{16} + \frac{(-5x-1)}{4} = \frac{(-2x-3)}{2}$

- (i) $\frac{5}{2}$ (ii) 3 (iii) $\frac{3}{2}$ (iv) $\frac{9}{4}$ (v) $\frac{7}{2}$

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

- (i) $(\frac{-17}{4})$ (ii) $(\frac{-9}{2})$ (iii) $(\frac{-13}{4})$ (iv) $(\frac{-7}{2})$ (v) $(\frac{-15}{4})$

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

- (i) $\frac{17}{11}$ (ii) $\frac{5}{3}$ (iii) $\frac{19}{11}$ (iv) $\frac{19}{13}$ (v) $\frac{15}{11}$

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

- (i) $(\frac{-10}{79})$ (ii) $(\frac{-4}{27})$ (iii) $(\frac{-8}{81})$ (iv) $(\frac{-10}{83})$ (v) $(\frac{-10}{81})$

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

- (i) $\frac{7}{6}$ (ii) $\frac{3}{2}$ (iii) $\frac{5}{6}$ (iv) $\frac{9}{8}$ (v) $\frac{5}{4}$

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

- (i) $\frac{64}{43}$ (ii) $\frac{68}{45}$ (iii) $\frac{68}{43}$ (iv) $\frac{66}{43}$ (v) $\frac{64}{41}$

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

- (i) $\frac{87}{41}$ (ii) $\frac{89}{43}$ (iii) $\frac{27}{13}$ (iv) $\frac{85}{41}$ (v) $\frac{83}{41}$

15. Solve : $\frac{(-9x-1)}{(-5x+8)} = \frac{(-9x+4)}{(-5x+3)}$

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

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

- (i) $\frac{23}{102}$ (ii) $\frac{23}{106}$ (iii) $\frac{25}{104}$ (iv) $\frac{21}{104}$ (v) $\frac{23}{104}$

17. Solve : $\frac{(9x-5)}{(2x-8)} = \frac{3}{2}$

- (i) $(-\frac{5}{4})$ (ii) $(-\frac{3}{2})$ (iii) $(-\frac{7}{6})$ (iv) $(-\frac{9}{8})$ (v) $(-\frac{5}{6})$

18. Solve : $\frac{9}{(5x-3)} + \frac{10}{(5x+3)} = \frac{19}{5x}$

- (i) $\frac{79}{7}$ (ii) 11 (iii) $\frac{57}{5}$ (iv) $\frac{35}{3}$ (v) $\frac{59}{5}$

19. Solve : $-\frac{1}{(4x+3)} - \frac{6}{(4x-3)} = -\frac{7}{4x}$

- (i) $(\frac{-23}{22})$ (ii) $(\frac{-21}{20})$ (iii) $(\frac{-19}{18})$ (iv) $(\frac{-19}{20})$ (v) $(\frac{-23}{20})$

20. Solve : $-\frac{8}{(x+8)} + \frac{6}{(x+7)} = \frac{7}{(x+7)} - \frac{9}{(x-4)}$

- (i) $(\frac{-774}{109})$ (ii) $(\frac{-758}{107})$ (iii) $(\frac{-746}{105})$ (iv) $(\frac{-762}{107})$ (v) $(\frac{-760}{107})$

21. Solve : $-\frac{2}{(x-2)} - \frac{2}{(x+3)} = -\frac{1}{(x+3)} - \frac{3}{(x+5)}$

- (i) $(\frac{-23}{10})$ (ii) $(\frac{-19}{8})$ (iii) $(\frac{-21}{8})$ (iv) $(\frac{-5}{2})$ (v) $(\frac{-17}{8})$

Assignment Key

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