



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

- (i) 21 (ii) 19 (iii) 18 (iv) 22 (v) 20

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

- (i) $\frac{7}{3}$ (ii) $\frac{7}{5}$ (iii) 3 (iv) 1 (v) $\frac{5}{3}$

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

- (i) $\frac{7}{6}$ (ii) $\frac{5}{8}$ (iii) $\frac{1}{2}$ (iv) $\frac{5}{4}$ (v) $\frac{5}{6}$

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

- (i) $(\frac{-54}{23})$ (ii) $(\frac{-56}{23})$ (iii) $(\frac{-58}{23})$ (iv) $(\frac{-12}{5})$ (v) $(\frac{-52}{21})$

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

- (i) $(\frac{-18}{7})$ (ii) $(\frac{-16}{5})$ (iii) $(\frac{-10}{3})$ (iv) $(\frac{-12}{5})$ (v) $(\frac{-14}{5})$

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

- (i) 1 (ii) 3 (iii) 4 (iv) 5 (v) 7

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

- (i) $\frac{26}{3}$ (ii) $\frac{82}{9}$ (iii) $\frac{64}{7}$ (iv) $\frac{80}{9}$ (v) $\frac{96}{11}$

$$8. \text{ Solve : } \frac{3x}{3} + \frac{(-3x-3)}{18} = \frac{(3x-1)}{2}$$

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

$$9. \text{ Solve : } \frac{(4x-3)}{8} + \frac{(5x-4)}{16} = (2x+5)$$

- (i) $(\frac{-92}{19})$ (ii) $(\frac{-82}{17})$ (iii) $(\frac{-90}{19})$ (iv) $(\frac{-14}{3})$ (v) $(\frac{-88}{19})$

$$10. \text{ Solve : } \frac{(-4x+3)}{3} + \frac{2x}{(2x+2)} = \frac{2x}{6}$$

- (i) -11 (ii) -7 (iii) -9 (iv) -8 (v) -10

$$11. \text{ Solve : } (3x+3) + \frac{(-5x-4)}{4} = \frac{(-x+5)}{12}$$

- (i) $(\frac{-17}{22})$ (ii) $(\frac{-21}{22})$ (iii) $(\frac{-19}{22})$ (iv) $(\frac{-19}{24})$ (v) $(\frac{-19}{20})$

$$12. \text{ Solve : } (-x-1) + \frac{(-x+2)}{2} = (5x+5)$$

- (i) $(\frac{-8}{13})$ (ii) $(\frac{-2}{3})$ (iii) $(\frac{-12}{13})$ (iv) $(\frac{-10}{11})$ (v) $(\frac{-10}{13})$

$$13. \text{ Solve : } 2(-5x-2) = \frac{(3x-3)}{2}$$

- (i) $(\frac{-5}{21})$ (ii) $(\frac{-3}{23})$ (iii) $(\frac{-7}{23})$ (iv) $(\frac{-5}{23})$ (v) $(\frac{-1}{5})$

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

- (i) $\frac{11}{21}$ (ii) $\frac{11}{23}$ (iii) $\frac{11}{25}$ (iv) $\frac{9}{23}$ (v) $\frac{13}{23}$

15. Solve : $\frac{(7x-9)}{(2x+2)} = \frac{(7x-6)}{(2x-8)}$

- (i) $\frac{23}{21}$ (ii) $\frac{21}{19}$ (iii) 1 (iv) $\frac{23}{19}$ (v) $\frac{19}{17}$

16. Solve : $\frac{(-4)}{(3x-9)} = \frac{4}{(3x-6)}$

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

17. Solve : $\frac{(-9x-5)}{(-8x-8)} = \frac{(-1)}{7}$

- (i) $(\frac{-43}{73})$ (ii) $(\frac{-41}{71})$ (iii) $(\frac{-45}{71})$ (iv) $(\frac{-43}{71})$ (v) $(\frac{-43}{69})$

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

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

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

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

20. Solve : $-\frac{6}{(x-6)} + \frac{3}{(x-2)} = \frac{6}{(x-2)} - \frac{9}{(x-1)}$

- (i) $\frac{24}{11}$ (ii) $\frac{28}{11}$ (iii) $\frac{30}{13}$ (iv) $\frac{22}{9}$ (v) $\frac{26}{11}$

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

- (i) $\frac{11}{3}$ (ii) $\frac{21}{5}$ (iii) $\frac{27}{7}$ (iv) $\frac{25}{7}$ (v) $\frac{29}{7}$

Assignment Key

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