



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

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

2. Solve : $\frac{(-x+5)}{12} + \frac{x}{6} = (-x-3)$

(i) $(-\frac{43}{13})$ (ii) $(-\frac{47}{15})$ (iii) $(-\frac{35}{11})$ (iv) -3 (v) $(-\frac{41}{13})$

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

(i) -2 (ii) 2 (iii) -3 (iv) -1 (v) 0

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

(i) $\frac{45}{7}$ (ii) $\frac{43}{7}$ (iii) $\frac{55}{9}$ (iv) $\frac{31}{5}$ (v) $\frac{41}{7}$

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

(i) $\frac{13}{29}$ (ii) $\frac{5}{9}$ (iii) $\frac{17}{29}$ (iv) $\frac{15}{31}$ (v) $\frac{15}{29}$

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

(i) 20 (ii) 21 (iii) 17 (iv) 23 (v) 19

7. Solve : $\frac{x}{7} + \frac{(x-5)}{3} = \frac{(-x-4)}{4}$

(i) $\frac{54}{61}$ (ii) $\frac{56}{59}$ (iii) $\frac{58}{61}$ (iv) $\frac{8}{9}$ (v) $\frac{56}{61}$

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

- (i) 18 (ii) 19 (iii) 20 (iv) 21 (v) 17

9. Solve : $\frac{(2x-5)}{6} + \frac{(-x+1)}{3} = (-4x+1)$

- (i) $\frac{3}{10}$ (ii) $\frac{5}{8}$ (iii) $\frac{1}{2}$ (iv) $\frac{1}{8}$ (v) $\frac{3}{8}$

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

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

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

- (i) $\frac{11}{23}$ (ii) $\frac{13}{21}$ (iii) $\frac{15}{23}$ (iv) $\frac{13}{25}$ (v) $\frac{13}{23}$

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

- (i) $(-\frac{10}{13})$ (ii) $(-\frac{14}{13})$ (iii) $(-\frac{12}{11})$ (iv) $(-\frac{12}{13})$ (v) $(-\frac{4}{5})$

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

- (i) $(-\frac{28}{41})$ (ii) $(-\frac{28}{45})$ (iii) $(-\frac{30}{43})$ (iv) $(-\frac{28}{43})$ (v) $(-\frac{26}{43})$

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

- (i) $(-\frac{37}{28})$ (ii) $(-\frac{37}{26})$ (iii) $(-\frac{11}{8})$ (iv) $(-\frac{35}{26})$ (v) $(-\frac{33}{26})$

15. Solve : $\frac{(7x+8)}{(7x+7)} = \frac{(7x-7)}{(7x-5)}$

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

16. Solve : $\frac{1}{(3x-9)} = \frac{(-8)}{(3x+2)}$

- (i) $\frac{74}{29}$ (ii) $\frac{66}{25}$ (iii) $\frac{68}{27}$ (iv) $\frac{8}{3}$ (v) $\frac{70}{27}$

17. Solve : $\frac{(8x-8)}{(-6x+6)} = \frac{1}{(-3)}$

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

18. Solve : $\frac{9}{(2x-6)} + \frac{10}{(2x+6)} = \frac{19}{2x}$

- (i) 58 (ii) 57 (iii) 55 (iv) 56 (v) 59

19. Solve : $-\frac{7}{(x-4)} - \frac{12}{(x+4)} = -\frac{19}{x}$

- (i) $\frac{78}{5}$ (ii) $\frac{46}{3}$ (iii) $\frac{76}{5}$ (iv) $\frac{74}{5}$ (v) $\frac{106}{7}$

20. Solve : $\frac{2}{(x-5)} - \frac{7}{(x+9)} = -\frac{1}{(x+9)} - \frac{4}{(x-7)}$

- (i) $\frac{17}{3}$ (ii) $\frac{131}{23}$ (iii) $\frac{139}{25}$ (iv) $\frac{127}{23}$ (v) $\frac{129}{23}$

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

- (i) $\frac{54}{19}$ (ii) $\frac{52}{19}$ (iii) $\frac{48}{17}$ (iv) $\frac{50}{19}$ (v) $\frac{8}{3}$

Assignment Key

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