1. Solve : $\frac{x}{10} + \frac{(x+1)}{4} = \frac{(-x+4)}{20}$

(i) $\frac{1}{8}$ (ii) $(\frac{-3}{8})$ (iii) $(\frac{-1}{6})$ (iv) $(\frac{-1}{10})$ (v) $(\frac{-1}{8})$

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

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

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

(i) $\frac{6}{5}$ (ii) $\frac{10}{7}$ (iii) $\frac{8}{7}$ (iv) $\frac{6}{7}$ (v) $\frac{10}{9}$

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

(i) $\frac{31}{7}$ (ii) $\frac{21}{5}$ (iii) $\frac{29}{7}$ (iv) $\frac{27}{7}$ (v) $\frac{37}{9}$

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

(i) $\frac{8}{13}$ (ii) $\frac{2}{5}$ (iii) $\frac{6}{11}$ (iv) $\frac{6}{13}$ (v) $\frac{4}{13}$

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

(i) $\frac{37}{11}$ (ii) $\frac{31}{9}$ (iii) $\frac{39}{11}$ (iv) $\frac{35}{11}$ (v) $\frac{43}{13}$

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

(i) -9 (ii) -7 (iii) -5 (iv) -8 (v) -11

8. Solve : $\frac{(-5x)}{4} + \frac{(2x-2)}{6} = \frac{(x-5)}{12}$

(i) $\frac{1}{4}$ (ii) $\frac{1}{12}$ (iii) $\frac{1}{14}$ (iv) $(\frac{-1}{12})$ (v) $\frac{1}{10}$

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

(i) $\frac{56}{37}$ (ii) $\frac{52}{37}$ (iii) $\frac{52}{35}$ (iv) $\frac{54}{37}$ (v) $\frac{56}{39}$

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

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

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

(i) $\frac{35}{41}$ (ii) $\frac{11}{13}$ (iii) $\frac{33}{41}$ (iv) $\frac{33}{43}$ (v) $\frac{31}{41}$

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

(i) 0 (ii) $\frac{2}{7}$ (iii) $\frac{2}{5}$ (iv) $\frac{4}{7}$ (v) $\frac{2}{9}$

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

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

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

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

15. Solve : $\frac{(-7x+9)}{(-3x+2)} = \frac{(-7x-2)}{(-3x-3)}$

(i) $\frac{21}{2}$ (ii) $\frac{25}{2}$ (iii) 12 (iv) $\frac{23}{2}$ (v) $\frac{45}{4}$

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16. Solve : $\frac{4}{(2x-9)} = \frac{(-3)}{(2x+7)}$

(i) $(\frac{-3}{14})$ (ii) $(\frac{-1}{12})$ (iii) $(\frac{-1}{14})$ (iv) $(\frac{-1}{16})$ (v) $\frac{1}{14}$

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

(i) $\frac{8}{7}$ (ii) $\frac{10}{7}$ (iii) $\frac{6}{5}$ (iv) $\frac{6}{7}$ (v) $\frac{10}{9}$

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

(i) $\frac{29}{4}$ (ii) $\frac{15}{2}$ (iii) $\frac{25}{4}$ (iv) $\frac{13}{2}$ (v) $\frac{27}{4}$

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

(i) 55 (ii) 56 (iii) 58 (iv) 53 (v) 57

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

(i) $(\frac{-37}{5})$ (ii) $(\frac{-23}{3})$ (iii) $(\frac{-51}{7})$ (iv) -7 (v) $(\frac{-39}{5})$

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21. Solve : $-\frac{2}{(x+2)} - \frac{2}{(x+3)} = \frac{3}{(x+3)} - \frac{7}{(x+4)}$

(i) $(\frac{-20}{9})$ (ii) $(\frac{-18}{7})$ (iii) $(\frac{-22}{9})$ (iv) $(\frac{-26}{11})$ (v) $(\frac{-8}{3})$

Assignment Key

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