



1. Which of the following equations is the same as $(7x-1)=0$

- (i) $(7x+1)=2$ (ii) $(7x+2)=2$ (iii) $7x=2$ (iv) $(7x+1)=(-1)$ (v) $(7x+1)=5$

2. Solve the equation $(-x-6)=(6x-8)$

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

3. The R.H.S of the equation $(6x+9)=0$ is

- (i) (-1) (ii) (-3) (iii) 0 (iv) 3 (v) $(6x+9)$

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

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

5. Two numbers are in the ratio 1 : 14. If 20 is added to each number, the ratio becomes 7 : 33. Find the numbers.

- (i) 8:112 (ii) 7:98 (iii) 10:140 (iv) 6:84 (v) 9:126

6. Solve : $\frac{5}{(4x-6)} + \frac{6}{(4x+6)} = \frac{11}{4x}$

- (i) 17 (ii) $\frac{65}{4}$ (iii) $\frac{33}{2}$ (iv) $\frac{31}{2}$ (v) $\frac{35}{2}$

7. The additive inverse of the expression 0 is

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

8. The L.H.S of the equation $(-4x-3)=(-8x+4)$ is

- (i) $(-4x-6)$ (ii) $(-8x+4)$ (iii) $(-4x-3)$ (iv) $(-5x-3)$ (v) $(-4x-1)$

9. Solve the equation $(\frac{3}{2}x+8)=0$

- (i) $(\frac{-14}{3})$ (ii) $(\frac{-26}{5})$ (iii) $(\frac{-16}{3})$ (iv) -6

10. The R.H.S of the equation $(-3x+8)=(-8x-2)$ is

- (i) $(-8x+1)$ (ii) $(-3x+8)$ (iii) $(-8x-4)$ (iv) $(-9x-2)$ (v) $(-8x-2)$

11. Solve the equation $(-3x) = 7$

- (i) $(\frac{-11}{5})$ (ii) -3 (iii) $(\frac{-7}{3})$ (iv) $(\frac{-5}{3})$

12. Which of the following equations is not the same as $(-2x-6) = 0$

- (i) $(-2x-8) = (-2)$ (ii) $(-2x-1) = 5$ (iii) $(-2x-2) = (-4)$ (iv) $(-2x-4) = 2$ (v) $(-2x-11) = (-5)$

13. The ratio of males to females in a committee of 266 members is 10 : 9. How many more ladies should be added to the committee so that the ratio of males to females is 7 : 9?

- (i) 51 (ii) 54 (iii) 53 (iv) 55 (v) 56

14. Which of the following equations is the same as $(-6x-1) = (-4x-8)$

- (i) $(-6x+4) = (-4x-6)$ (ii) $(-6x+1) = (-4x-6)$ (iii) $(-6x+1) = (-4x-5)$ (iv) $(-6x-2) = (-4x-6)$
(v) $(-6x+1) = (-4x-7)$

15. Which of the following equations is the same as $(5x-6) = 0$

- (i) $(14x+1) = (-9x-7)$ (ii) $(-4x-13) = (9x+7)$ (iii) $(9x-1) = (4x+5)$ (iv) $(9x-1) = (-4x-5)$
(v) $(x-11) = (4x+5)$

The speed of a motor boat is 25.57 m/sec and the speed of a stream is 19.57 m/sec. A & B are two location adjacent to a stream. If it takes 254.15 sec to go from point A to B and come back, What is the distance between A and B?

- (i) 1346.99 m (ii) 1345.99 m (iii) 1347.99 m (iv) 1343.99 m (v) 1344.99 m

17. The L.H.S of the equation $(-4x-1) = 0$ is

- (i) $(-4x-1)$ (ii) $(-4x-3)$ (iii) 0 (iv) $(-4x+1)$ (v) $(-5x-1)$

18. A ratio is equal to 3 : 2. If its consequent is 13090, what is its antecedent?

- (i) 19636 (ii) 19637 (iii) 19632 (iv) 19635 (v) 19634

19. Which of the following equations is not equivalent to $(6x+2) = (-2x+4)$

- (i) $(-32x) = (-8)$ (ii) $(-40x) = (-10)$ (iii) $16x = 4$ (iv) $8x = 1$ (v) $24x = 6$

20. Which of the following equations is the same as $(5x-5) = (7x-6)$

- (i) $(5x-7) = (7x-8)$ (ii) $(5x-8) = (7x-8)$ (iii) $(5x-6) = (7x-8)$ (iv) $(5x-7) = (7x-4)$
(v) $(5x-7) = (7x-12)$

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

- (i) -36 (ii) -37 (iii) -35 (iv) -38 (v) -39

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

- (i) $\frac{5}{7}$ (ii) $\frac{13}{19}$ (iii) $\frac{11}{21}$ (iv) $\frac{13}{23}$ (v) $\frac{13}{21}$

23. Which of the following equations is equivalent to $(-6x-7)=(8x+4)$

- (i) $(-14x)=13$ (ii) $(-14x)=12$ (iii) $(-14x)=11$ (iv) $(-14x)=9$ (v) $(-14x)=10$

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

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

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

- (i) $\frac{14}{11}$ (ii) $\frac{12}{11}$ (iii) $\frac{4}{3}$ (iv) $\frac{16}{11}$ (v) $\frac{16}{13}$

Assignment Key

1) (i)	2) (iii)	3) (iii)	4) (v)	5) (i)	6) (iii)
7) (iv)	8) (iii)	9) (iii)	10) (v)	11) (iii)	12) (iii)
13) (ii)	14) (ii)	15) (iii)	16) (ii)	17) (i)	18) (iv)
19) (iv)	20) (i)	21) (ii)	22) (v)	23) (iii)	24) (iv)
25) (i)					