



1. Which of the following equations is the same as $(-5x-2)=3$

- (i) $(-5x-6)=(-2)$ (ii) $(-5x-8)=(-1)$ (iii) $(-5x-6)=0$ (iv) $(-5x-4)=(-1)$ (v) $(-5x-6)=(-1)$

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

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

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

- (i) $(\frac{-31}{6})$ (ii) $(\frac{-11}{2})$ (iii) $(\frac{-21}{4})$ (iv) $(\frac{-19}{4})$ (v) $(\frac{-23}{4})$

4. Which of the following equations is the same as $(-7x+9)=(-8x+7)$

- (i) $(-16x+14)=(x+2)$ (ii) $(-9x+10)=(-6x+6)$ (iii) $(-5x+8)=(-10x+8)$ (iv) $(2x+4)=(-17x+12)$
(v) $(2x+4)=(x+2)$

5. The R.H.S of the equation $(-7x-4)=(5x+1)$ is

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

6. Which of the following equations is the same as $(6x-9)=(-6)$

- (i) $(6x-5)=(-2)$ (ii) $(6x-5)=(-3)$ (iii) $(6x-8)=(-2)$ (iv) $(6x-2)=(-2)$ (v) $(6x-5)=(-1)$

7. Which of the following equations is the same as $(-5x+6)=(-9x-2)$

- (i) $(5x-2)=(9x+2)$ (ii) $(5x-6)=(9x-1)$ (iii) $(5x-6)=(9x+2)$ (iv) $(5x-10)=(9x+2)$
(v) $(5x-6)=(9x+5)$

8. The L.H.S of the equation $(8x-8)=(x+1)$ is

- (i) $(8x-8)$ (ii) $(8x-10)$ (iii) $(8x-6)$ (iv) $(7x-8)$ (v) $(x+1)$

9. The L.H.S of the equation $(-4x-7)=(-8)$ is

- (i) $(-4x-10)$ (ii) (-8) (iii) $(-4x-7)$ (iv) $(-5x-7)$ (v) $(-4x-5)$

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

- (i) -5 (ii) -3 (iii) -1 (iv) -2 (v) 1

11. Which of the following equations is not equivalent to $(-2x-2)=0$

- (i) $10x=(-10)$ (ii) $8x=(-8)$ (iii) $(-10x)=10$ (iv) $4x=(-4)$ (v) $(-2x)=(-1)$

12. Which of the following equations is the same as $(-6x+3)=(7x+6)$

- (i) $(-6x)=(7x+8)$ (ii) $(-6x+5)=(7x+11)$ (iii) $(-6x+5)=(7x+8)$ (iv) $(-6x+5)=(7x+5)$
(v) $(-6x+10)=(7x+8)$

13. Which of the following equations is not equivalent to $(5x-3)=(-3x+6)$

- (i) $40x=45$ (ii) $16x=18$ (iii) $8x=13$ (iv) $(-32x)=(-36)$ (v) $(-24x)=(-27)$

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

- (i) $\frac{67}{5}$ (ii) $\frac{41}{3}$ (iii) $\frac{43}{3}$ (iv) 13 (v) 15

15. Which of the following equations is equivalent to $(-5x-7)=2$

- (i) $(-5x)=10$ (ii) $(-5x)=9$ (iii) $(-5x)=8$ (iv) $(-5x)=7$ (v) $(-5x)=11$

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

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

17. Which of the following equations is not the same as $(5x-8)=0$

- (i) $(14x-7)=(9x+1)$ (ii) $(-4x-9)=(-9x-1)$ (iii) $(-4x-9)=(9x+1)$ (iv) $(11x-1)=(6x+7)$
(v) $(-x-15)=(-6x-7)$

18. The R.H.S of the equation $(7x+3)=5$ is

- (i) 4 (ii) $(7x+3)$ (iii) 7 (iv) 5 (v) 2

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

- (i) $(-3x-20)=0$ (ii) $(-3x-18)=(-4)$ (iii) $(-3x-18)=4$ (iv) $(-3x-18)=0$ (v) $(-3x-16)=0$

20. Which of the following equations is not the same as $(8x-5)=(-3)$

- (i) $8x=2$ (ii) $(8x-3)=(-1)$ (iii) $(8x-2)=(-6)$ (iv) $(8x-10)=(-8)$ (v) $(8x-7)=(-5)$

21. Solve : $\frac{5}{(3x+2)} + \frac{6}{(3x-2)} = \frac{11}{3x}$

- (i) -8 (ii) $(\frac{-20}{3})$ (iii) $(\frac{-36}{5})$ (iv) $(\frac{-22}{3})$

22. Which of the following is a linear equation in three variable?

- (i) $(63x^2 - 45x - 18) = 0$ (ii) $(-6x + 6y + 3) = 0$ (iii) $(48x^2 + 14xy - 54x - 45y^2 - 2y + 15) = 0$
(iv) $(-9x - y - 8z + 5) = 0$ (v) $(4x + 3) = 0$

23. Which of the following equations is equivalent to $(8x + 2) = (-4x - 5)$

- (i) $12x = (-9)$ (ii) $12x = (-4)$ (iii) $12x = (-7)$ (iv) $12x = (-10)$ (v) $12x = (-5)$

24. Which of the following equations is not equivalent to $(-4x - 7) = 7$

- (i) $4x = (-14)$ (ii) $(-16x) = 56$ (iii) $(-4x) = 14$ (iv) $(-4x) = 11$ (v) $(-8x) = 28$

25. Which of the following equations is not the same as $(4x - 8) = (-4)$

- (i) $(-x - 12) = (-5x - 8)$ (ii) $(9x - 4) = (-5x - 8)$ (iii) $(x - 6) = (-3x - 2)$ (iv) $(7x - 10) = (3x - 6)$
(v) $(9x - 4) = 5x$

Assignment Key

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