



1. Which of the following equations is not the same as  $(-5x+2)=(4x-5)$   
(i)  $(10x-4)=(4x-7)$  (ii)  $(-20x+8)=(16x-20)$  (iii)  $(5x-2)=(-4x+5)$  (iv)  $(-15x+6)=(12x-15)$   
(v)  $(20x-8)=(-16x+20)$
2. Which of the following equations is the same as  $(2x-3)=(-9x-1)$   
(i)  $(5x+5)=(-12x-9)$  (ii)  $(-7x-4)=0$  (iii)  $(-7x-4)=(-18x-2)$  (iv)  $(-x-11)=(-6x+7)$   
(v)  $(11x-2)=(-18x-2)$
3. Which of the following equations is the same as  $(6x+9)=8$   
(i)  $(5x+8)=(x+9)$  (ii)  $(7x+10)=(x+9)$  (iii)  $(2x+12)=(4x+5)$  (iv)  $(10x+6)=(-4x+11)$   
(v)  $(7x+10)=(-x+7)$
4. Which of the following equations is equivalent to  $(-x+3)=(4x+6)$   
(i)  $(-5x)=7$  (ii)  $(-5x)=3$  (iii)  $(-5x)=5$  (iv)  $(-5x)=1$  (v)  $(-5x)=(-1)$
5. Which of the following equations is not the same as  $(-2x+8)=0$   
(i)  $(-2x+6)=(-2)$  (ii)  $(-2x+11)=3$  (iii)  $(-2x+5)=(-3)$  (iv)  $(-2x+10)=2$  (v)  $(-2x+3)=5$
6. Which of the following equations is the same as  $(6x+7)=(x-1)$   
(i)  $(-12x-14)=(-2x+2)$  (ii)  $(-12x-19)=(-2x+2)$  (iii)  $(-12x-14)=(-2x+6)$   
(iv)  $(-12x-14)=(-2x-2)$  (v)  $(-12x-9)=(-2x+2)$
7. Which of the following equations is the same as  $(-3x+7)=(-2x-7)$   
(i)  $(-3x+6)=(-2x-11)$  (ii)  $(-3x+1)=(-2x-8)$  (iii)  $(-3x+6)=(-2x-5)$  (iv)  $(-3x+6)=(-2x-8)$   
(v)  $(-3x+11)=(-2x-8)$
8. The R.H.S of the equation  $(-4x-8)=0$  is  
(i)  $(-3)$  (ii)  $(-1)$  (iii)  $(-4x-8)$  (iv)  $3$  (v)  $0$
9. The additive inverse of the expression  $(-7)$  is  
(i)  $6$  (ii)  $9$  (iii)  $(-7)$  (iv)  $4$  (v)  $7$
10. Which of the following equations is not the same as  $(-8x+9)=(-9x-9)$   
(i)  $(-15x+10)=(-16x-8)$  (ii)  $(-x+8)=(-2x-10)$  (iii)  $(-15x+10)=(-2x-10)$   
(iv)  $(-9x+11)=(-10x-7)$  (v)  $(-7x+7)=(-8x-11)$

11. Which of the following equations is the same as  $(4x-6)=0$

- (i)  $(-3x+2)=(7x-8)$  (ii)  $(11x-14)=(7x-8)$  (iii)  $(11x-12)=(-7x+6)$  (iv)  $(-3x)=(7x-6)$
- (v)  $(11x-14)=(-7x+8)$

12. Which of the following equations is not the same as  $(3x+8)=8$

- (i)  $(3x+5)=5$  (ii)  $(3x+11)=11$  (iii)  $(3x+10)=10$  (iv)  $(3x+6)=6$  (v)  $(3x+7)=9$

13. Solve the equation  $(4x-4)=9$

- (i)  $\frac{13}{4}$  (ii)  $\frac{19}{6}$  (iii)  $\frac{15}{4}$  (iv)  $\frac{11}{4}$  (v)  $\frac{7}{2}$

14. Solve the equation  $(x+2)=0$

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

15. Solve the equation  $(\frac{5}{3}x-\frac{9}{4})=(-\frac{8}{9})$

- (i)  $\frac{47}{60}$  (ii)  $\frac{49}{60}$  (iii)  $\frac{17}{20}$  (iv)  $\frac{49}{62}$  (v)  $\frac{49}{58}$

16. Which of the following equations is not the same as  $(-6x-1)=(-8)$

- (i)  $(-13x)=(-7x-7)$  (ii)  $(x-2)=(-7x-7)$  (iii)  $(x-2)=(7x-9)$  (iv)  $(2x-2)=(8x-9)$
- (v)  $(-14x)=(-8x-7)$

17. Solve the equation  $(-8x-\frac{2}{3})=(\frac{8}{7}x-\frac{7}{5})$

- (i)  $\frac{77}{960}$  (ii)  $\frac{77}{962}$  (iii)  $\frac{5}{64}$  (iv)  $\frac{77}{958}$  (v)  $\frac{79}{960}$

18. Which of the following equations is not the same as  $(-4x-1)=0$

- (i)  $(-20x-5)=0$  (ii)  $(-16x-4)=4$  (iii)  $(8x+2)=0$  (iv)  $(-12x-3)=0$  (v)  $(20x+5)=0$

19. Which of the following equations is not equivalent to  $(4x-2)=(-9)$

- (i)  $12x=(-21)$  (ii)  $4x=(-10)$  (iii)  $(-16x)=28$  (iv)  $20x=(-35)$  (v)  $(-4x)=7$

20. Which of the following equations is equivalent to  $(5x-7)=0$

- (i)  $5x=5$  (ii)  $5x=2$  (iii)  $5x=9$  (iv)  $5x=12$  (v)  $5x=7$

21. The value of  $x$  in terms of other variables and constant in  $(-x-3)=(-4x)$  is

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

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

- (i)  $(4x-2)=(-x+6)$  (ii)  $(4x-7)=(-x+1)$  (iii)  $(6x-9)=(x-1)$  (iv)  $(6x-9)=(-x+1)$
- (v)  $(6x-14)=(x-6)$

23. The L.H.S of the equation  $(-5x) = (9x+3)$  is

- (i)  $(-6x)$
- (ii)  $(-5x)$
- (iii)  $(-7x)$
- (iv)  $(9x+3)$
- (v)  $(-3x)$

24. Which of the following equations is the same as  $(-9x+6) = 8$

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

25. The L.H.S of the equation  $(8x-7) = 0$  is

- (i)  $0$
- (ii)  $(8x-5)$
- (iii)  $(7x-7)$
- (iv)  $(8x-7)$
- (v)  $(8x-9)$

## Assignment Key

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

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