EduSahara™ Assignment

Name : Equivalence of Linear Equations

Chapter : Simple Linear Equations

Grade : ICSE Grade VIII

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1. Which of the following equations is the same as $(-9x+6)=0$

   (i) $(-9x+7)=5$ (ii) $(-9x+12)=1$ (iii) $(-9x+7)=(-3)$ (iv) $(-9x+2)=1$ (v) $(-9x+7)=1$

2. Which of the following equations is the same as $8x=0$

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

3. Which of the following equations is the same as $(2x+3)=0$

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

4. Which of the following equations is the same as $(-9x+6)=0$

   (i) $(-9x+12)=2$ (ii) $(-9x+8)=5$ (iii) $(-9x+8)=(-1)$ (iv) $(-9x+8)=2$ (v) $(-9x+4)=2$

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

   (i) $(x+7)=0$ (ii) $(x+4)=5$ (iii) $(x+7)=5$ (iv) $(x+7)=10$ (v) $(x+10)=5$

6. Which of the following equations is the same as $(-3x+4)=(-3)$

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

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

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

   (v) $(-x)=(-4x-5)$

8. Which of the following equations is the same as $(2x+8)=(-x+6)$

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

   (v) $(2x+7)=(-x+3)$

9. Which of the following equations is the same as $(-6x-5)=(9x-8)$

   (i) $(-12x-10)=(18x-20)$ (ii) $(-12x-10)=(18x-12)$ (iii) $(-12x-6)=(18x-16)$

   (iv) $(-12x-14)=(18x-16)$ (v) $(-12x-10)=(18x-16)$

10. Which of the following equations is not the same as $(7x-8)=0$

    (i) $(7x-13)=(-5)$ (ii) $(7x-9)=(-1)$ (iii) $(7x-3)=5$ (iv) $(7x-7)=1$ (v) $(7x-5)=(-3)$

11. Which of the following equations is not the same as $(4x-6)=0$

    (i) $(4x-1)=5$ (ii) $(4x-7)=1$ (iii) $(4x-2)=4$ (iv) $(4x-11)=(-5)$ (v) $(4x-10)=(-4)$

12. Which of the following equations is not the same as $(6x-7)=0$

    (i) $(-18x+21)=0$ (ii) $(-6x+7)=0$ (iii) $(30x-35)=0$ (iv) $(18x-21)=3$ (v) $(12x-14)=0$

13. Which of the following equations is not the same as $(9x+2)=7$

(i) $(9x-3)=2$ (ii) $(9x-2)=3$ (iii) $(9x+7)=12$ (iv) $(9x+6)=11$ (v) $(9x+3)=6$

14. Which of the following equations is not the same as $(4x-9)=3$

(i) $(4x-8)=4$ (ii) $(4x-7)=5$ (iii) $(4x-14)=8$ (iv) $(4x-10)=2$ (v) $(4x-11)=1$

15. Which of the following equations is not the same as $(-4x+1)=(-7)$

(i) $(-16x+4)=(-28)$ (ii) $(16x-4)=28$ (iii) $(-8x+2)=(-14)$ (iv) $(-12x+3)=(-4)$ (v) $(12x-3)=21$

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

(i) $(6x+3)=(8x+8)$ (ii) $6x=(8x+5)$ (iii) $(6x+5)=(8x+2)$ (iv) $(6x+2)=(8x+7)$

(v) $(6x-1)=(8x+4)$

17. Which of the following equations is not the same as $(-9x)=(-7x-8)$

(i) $(-9x-5)=(-7x-13)$ (ii) $(-9x-3)=(-7x-11)$ (iii) $(-9x+5)=(-7x-3)$ (iv) $(-9x-1)=(-7x-7)$

(v) $(-9x+3)=(-7x-5)$

18. Which of the following equations is not the same as $(9x+4)=(4x+8)$

(i) $(18x+8)=(8x+16)$ (ii) $(-36x-16)=(4x+4)$ (iii) $(-45x-20)=(-20x-40)$

(iv) $(27x+12)=(12x+24)$ (v) $(-18x-8)=(-8x-16)$

19. Which of the following equations is the same as $2x=0$

(i) $(x-1)=(-x-1)$ (ii) $(-x-5)=(3x+5)$ (iii) $(x-1)=(x+1)$ (iv) $(5x+5)=(-3x-5)$

(v) $(3x+1)=(-x-1)$

20. Which of the following equations is the same as $(7x+9)=0$

(i) $(3x+8)=(-4x-1)$ (ii) $(11x+10)=(-4x-1)$ (iii) $(3x+8)=(4x+1)$ (iv) $(14x+8)=(-7x+1)$

(v) $10=(7x-1)$

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

(i) $(-10x-3)=(x+10)$ (ii) $(-8x+7)=(-x)$ (iii) $(-16x-1)=(7x+8)$ (iv) $(-2x+5)=(-7x+2)$

(v) $(-2x+5)=(7x+8)$

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

(i) $(-15x-2)=(9x-10)$ (ii) $(-15x-8)=(-9x-6)$ (iii) $(-15x-8)=(9x-4)$ (iv) $(3x-6)=(-9x-6)$

(v) $(3x-12)=(-9x)$

23. Which of the following equations is the same as $(4x-9)=6x$

(i) $(2x-4)=(8x-5)$ (ii) $(6x-14)=(4x+5)$ (iii) $(3x-10)=(5x-1)$ (iv) $(3x-10)=(7x+1)$

(v) $(5x-8)=(5x-1)$

24. Which of the following equations is the same as $(-x+6)=(-8x-5)$

(i) $(7x-1)=(-16x+2)$ (ii) $9=(-9x-8)$ (iii) $(-2x+3)=(-9x-8)$ (iv) $(-2x+3)=(-7x-2)$

(v) $(-9x+13)=(-12)$

25. Which of the following equations is not the same as $(x+2)=0$

(i) $(10x+4)=(9x+2)$ (ii) $1=(-x-1)$ (iii) $(-8x)=(-9x-2)$ (iv) $1=(x+1)$ (v) $(2x+3)=(x+1)$

26. Which of the following equations is not the same as $(-6x+9)=0$

(i) $(-5x+18)=(-x-9)$ (ii) $(-7x)=(-x-9)$ (iii) $(-7x+10)=(-x+1)$ (iv) $(-5x+18)=(x+9)$

(v) $(-5x+8)=(x-1)$

27. Which of the following equations is not the same as $(-8x-5)=(-4)$

(i) $(-9x-9)=(-x-8)$ (ii) $(-10x-6)=(-2x-5)$ (iii) $(-6x-4)=(2x-3)$ (iv) $(-7x-1)=x$

(v) $(-7x-1)=(-x-8)$

28. Which of the following equations is not the same as $(-9x-6)=5$

(i) $(-10x-4)=(-x+7)$ (ii) $(-8x-8)=(-x+7)$ (iii) $(-8x-8)=(x+3)$ (iv) $(-6x-8)=(3x+3)$

(v) $(-12x-4)=(-3x+7)$

29. Which of the following equations is not the same as $(-2x-7)=(-3x-8)$

(i) $0=(-5x-15)$ (ii) $0=(-x-1)$ (iii) $(-4x-14)=(-5x-15)$ (iv) $(-7x-14)=(-8x-15)$

(v) $3x=(2x-1)$

30. Which of the following equations is not the same as $(9x+7)=(-2x+4)$

(i) $(6x+3)=(-5x)$ (ii) $(16x+10)=(5x+7)$ (iii) $(2x+4)=(-9x+1)$ (iv) $(2x+4)=(5x+7)$

(v) $(12x+11)=(x+8)$

31. Which of the following equations is equivalent to $(9x-5)=0$

(i) $9x=0$ (ii) $9x=7$ (iii) $9x=5$ (iv) $9x=10$ (v) $9x=3$

32. Which of the following equations is equivalent to $(3x-3)=(-7)$

(i) $3x=(-9)$ (ii) $3x=(-6)$ (iii) $3x=1$ (iv) $3x=(-4)$ (v) $3x=(-2)$

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

(i) $2x=6$ (ii) $2x=10$ (iii) $2x=7$ (iv) $2x=2$ (v) $2x=5$

34. Which of the following equations is not equivalent to $(6x-9)=0$

(i) $(-12x)=(-18)$ (ii) $(-18x)=(-27)$ (iii) $6x=14$ (iv) $24x=36$ (v) $6x=9$

35. Which of the following equations is not equivalent to $(5x+8)=(-9)$

(i) $(-25x)=85$ (ii) $10x=(-34)$ (iii) $(-5x)=17$ (iv) $15x=(-51)$ (v) $5x=(-20)$

36. Which of the following equations is not equivalent to $(-2x+9)=(-6x-5)$

(i) $12x=(-42)$ (ii) $(-20x)=70$ (iii) $16x=(-56)$ (iv) $(-12x)=42$ (v) $4x=(-9)$

Assignment Key

1) (v)	2) (i)	3) (ii)	4) (iv)	5) (iii)	6) (i)
7) (v)	8) (iii)	9) (v)	10) (v)	11) (ii)	12) (iv)
13) (v)	14) (iii)	15) (iv)	16) (iii)	17) (iv)	18) (ii)
19) (i)	20) (i)	21) (v)	22) (ii)	23) (iii)	24) (iii)
25) (iv)	26) (i)	27) (v)	28) (ii)	29) (i)	30) (iv)
31) (iii)	32) (iv)	33) (i)	34) (iii)	35) (v)	36) (v)

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