Name : Linear Equations Equivalence

Chapter: Linear Equations

Grade: ICSE Grade VII

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- 1. Which of the following equations is the same as (8x-3)=0
 - (i) (8x-2)=5 (ii) (8x+2)=8 (iii) (8x+2)=2 (iv) (8x+6)=5 (v) (8x+2)=5
- 2. Which of the following equations is the same as (-7x+5)=0
 - (i) (-7x+1)=(-1) (ii) (-7x)=(-4) (iii) (-7x+1)=(-4) (iv) (-7x+2)=(-4) (v) (-7x+1)=(-7)
- 3. Which of the following equations is the same as (-3x+9)=0
 - (i) (-15x+41)=0 (ii) (-15x+45)=(-3) (iii) (-15x+45)=3 (iv) (-15x+45)=0 (v) (-15x+49)=0
- 4. Which of the following equations is the same as (x+1)=2
 - (i) (x+3)=7 (ii) (x+6)=3 (iii) (x+6)=11 (iv) (x+9)=7 (v) (x+6)=7
- 5. Which of the following equations is the same as (-2x-4)=7
 - (i) (-2x-12)=2 (ii) (-2x-9)=0 (iii) (-2x-9)=2 (iv) (-2x-6)=2 (v) (-2x-9)=4
- 6. Which of the following equations is the same as (-3x-1)=(-8)
 - (i) (3x+1)=10 (ii) (3x+1)=8 (iii) (3x+6)=8 (iv) (3x+1)=6 (v) (3x-4)=8
- 7. Which of the following equations is the same as (-4x+9)=2x
 - (i) (-4x+10)=(2x+4) (ii) (-4x+16)=(2x+4) (iii) (-4x+13)=(2x-1) (iv) (-4x+13)=(2x+9)
 - (v) (-4x+13)=(2x+4)
- 8. Which of the following equations is the same as (8x-4)=(-7x-8)
 - (i) (8x-5)=(-7x-14) (ii) (8x-5)=(-7x-4) (iii) (8x-8)=(-7x-9) (iv) (8x-5)=(-7x-9)
 - (v) (8x-2)=(-7x-9)
- 9. Which of the following equations is the same as (4x+2)=(7x-6)
 - (i) (-8x-4)=(-14x+12) (ii) (-8x-3)=(-14x+12) (iii) (-8x-4)=(-14x+15)
 - (iv) (-8x-5)=(-14x+12) (v) (-8x-4)=(-14x+9)
- 10. Which of the following equations is not the same as (-7x-3)=0
 - (i) (-7x-7)=(-4) (ii) (-7x-2)=(-1) (iii) (-7x+1)=4 (iv) (-7x)=3 (v) (-7x-6)=(-3)
- 11. Which of the following equations is not the same as (-4x+8)=0
 - (i) (-4x+4)=(-4) (ii) (-4x+6)=(-2) (iii) (-4x+10)=2 (iv) (-4x+12)=4 (v) (-4x+5)=3
- 12. Which of the following equations is not the same as (x+2)=0
 - (i) (5x+10)=0 (ii) (4x+8)=0 (iii) (-3x-6)=0 (iv) (-5x-10)=0 (v) (-x-2)=(-1)

13. Which of the following equations is not the same as (4x+6)=5(i) (4x+7)=4 (ii) (4x+8)=7 (iii) (4x+2)=1 (iv) (4x+4)=3 (v) (4x+10)=914. Which of the following equations is not the same as (-x+9)=8(i) (-x+8)=7 (ii) (-x+14)=13 (iii) (-x+4)=3 (iv) (-x+10)=9 (v) (-x+6)=1115. Which of the following equations is not the same as (2x-8)=(-1)(i) (6x-24)=2 (ii) (4x-16)=(-2) (iii) (-10x+40)=5 (iv) (-8x+32)=4 (v) (-4x+16)=216. Which of the following equations is not the same as (-6x-1)=(-5x+3)(i) (-6x-2)=(-5x+2) (ii) (-6x)=(-5x+4) (iii) (-6x-6)=(-5x-2) (iv) (-6x+4)=(-5x+8)(v) (-6x+3)=(-5x-1)17. Which of the following equations is not the same as (-7x+7)=(-3x-5)(i) (-7x+2)=(-3x-10) (ii) (-7x+12)=(-3x) (iii) (-7x+5)=(-3x-3) (iv) (-7x+4)=(-3x-8)(v) (-7x+10)=(-3x-2)18. Which of the following equations is not the same as (-8x-5)=(-5x-9)(i) (24x+15)=(15x+27) (ii) (32x+20)=(20x+36) (iii) (8x+5)=(5x+9)(iv) (-40x-25)=(-25x-45) (v) (40x+25)=(-5x-14)19. Which of the following equations is the same as (-x-1)=0(i) (-8) = (-x+7) (ii) (-4x) = (3x-1) (iii) (-2x+6) = (x-7) (iv) (2x-2) = (-3x+1)(v) (2x-2)=(3x-1)20. Which of the following equations is the same as (9x-4)=0(i) (8x+2)=(x-6) (ii) (8x-4)=(-x) (iii) (10x-10)=(-x+6) (iv) (8x-4)=x (v) (10x-4)=(-x)21. Which of the following equations is the same as (-9x-2)=6(i) (-x+7)=(8x+15) (ii) (-x+7)=(-8x-3) (iii) (-x+3)=(-8x+1) (iv) (-17x-11)=(8x+15)(v) (-17x-7)=(8x+11)22. Which of the following equations is the same as (3x+5)=(-9)(i) (8x+7)=(-5x-11) (ii) (-2x+14)=(5x-18) (iii) (-2x+3)=(-5x-11) (iv) (-2x+3)=(5x-7)(v) (8x-4)=(-5x)23. Which of the following equations is the same as (-x) = (x-2)(i) (3x+3)=(-3x-5) (ii) (3x+3)=(5x+1) (iii) (2x+4)=(-2x-6) (iv) (-4x-4)=(4x+2)

24. Which of the following equations is the same as (-5x-7)=7x(i) (-8x-6)=(10x-1) (ii) (-2x-8)=(4x+1) (iii) (-4x-6)=(6x-1) (iv) (-8x-6)=(4x+1)(v) (-6x-8)=(8x+1)

(v) (-5x-3)=(5x+1)

25. Which of the following equations is not the same as $(-5x-9)=0$
(i) $(-4x-16)=(-x+7)$ (ii) $(-4x-16)=(x-7)$ (iii) $(-2x-10)=(3x-1)$ (iv) $(-6x-2)=(-x+7)$
(v) $(-8x-8)=(-3x+1)$
26. Which of the following equations is not the same as (7 × 1) = 0
26. Which of the following equations is not the same as $(7x-1)=0$
(i) $(6x-2)=(x+1)$ (ii) $(6x-2)=(-x-1)$ (iii) $8x=(x+1)$ (iv) $(12x+2)=(5x+3)$
(v) $(2x-4)=(-5x-3)$
27. Which of the following equations is not the same as $(-5x-1)=(-4)$
(i) $(-11x-8)=(-6x-11)$ (ii) $(-2x+4)=(-3x-9)$ (iii) $(-2x+4)=(3x+1)$ (iv) $(x+6)=(6x+3)$
(v) $(-8x-6)=(-3x-9)$
28. Which of the following equations is not the same as $x = 7$
(i) $2x=(x+7)$ (ii) $(2x+2)=(x+9)$ (iii) $0=(-x+7)$ (iv) $(-2)=(x+9)$ (v) $(-2)=(-x+5)$
29. Which of the following equations is not the same as $(-6x+9)=(3x+6)$
(i) $2 = (9x-1)$ (ii) $(-12x+16) = (-3x+13)$ (iii) $(-x+13) = (8x+10)$ (iv) $(-x+13) = (-2x+2)$
(v) $(-11x+5)=(-2x+2)$
30. Which of the following equations is not the same as $(3x+2)=(-x-2)$
(i) $(4x+4)=0$ (ii) $(12x+7)=(8x+3)$ (iii) $2x=(-2x-4)$ (iv) $(-6x-3)=(-10x-7)$
(v) $(12x+7)=(-10x-7)$
31. Which of the following equations is equivalent to $(x-3)=0$
(i) $x=2$ (ii) $x=8$ (iii) $x=3$ (iv) $x=4$ (v) $x=(-2)$
32. Which of the following equations is equivalent to $(2x-6)=(-3)$
(i) $2x=1$ (ii) $2x=3$ (iii) $2x=(-2)$ (iv) $2x=8$ (v) $2x=5$
(i) 2A-1 (ii) 2A-(2) (iv) 2A-0 (v) 2A-3
33. Which of the following equations is equivalent to $(-2x+6)=(-5x-2)$
(i) $3x = (-4)$ (ii) $3x = (-12)$ (iii) $3x = (-3)$ (iv) $3x = (-8)$ (v) $3x = (-13)$
34. Which of the following equations is not equivalent to $(-x+6)=0$
(i) $2x=12$ (ii) $5x=30$ (iii) $4x=24$ (iv) $(-4x)=(-24)$ (v) $(-x)=(-7)$
35. Which of the following equations is not equivalent to $(5x+2)=0$
(i) $5x=0$ (ii) $(-15x)=6$ (iii) $20x=(-8)$ (iv) $(-10x)=4$ (v) $15x=(-6)$

36. Which of the following equations is not equivalent to (-7x-4)=(x-5)

(i) 32x=4 (ii) 40x=5 (iii) (-8x)=(-3) (iv) (-32x)=(-4) (v) (-24x)=(-3)

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

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