EduSahara™ Learning Center Assignment

Grade : Class VII, ICSE
Chapter : Linear Equations
Name : Linear Equations Equivalence
Licensed To : Teachers and Students for non-commercial use

---

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

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

   (iv) $(-x + 3) = 8$ (v) $(-x + 3) = 2$

---

2. Which of the following equations is the same as $(8x + 7) = 0$

   (i) $(8x + 3) = (-4)$ (ii) $(8x + 5) = (-4)$ (iii) $(8x + 3) = (-7)$

   (iv) $(8x + 3) = (-1)$ (v) $(8x + 1) = (-4)$

---

3. Which of the following equations is the same as $(-9x - 8) = 0$

   (i) $(45x + 38) = 0$ (ii) $(45x + 40) = (-4)$ (iii) $(45x + 40) = 4$

   (iv) $(45x + 40) = 0$ (v) $(45x + 42) = 0$

---

4. Which of the following equations is the same as $(7x - 2) = 7$

   (i) $(7x + 7) = 12$ (ii) $(7x + 3) = 10$ (iii) $(7x + 3) = 12$

   (iv) $(7x - 1) = 12$ (v) $(7x + 3) = 14$

---

5. Which of the following equations is the same as $(5x + 8) = (-1)$

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

   (iv) $(5x + 7) = (-2)$ (v) $(5x + 10) = (-2)$

---

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

(i) $(-24x-23)=4$ (ii) $(-24x-33)=4$ (iii) $(-24x-28)=4$

(iv) $(-24x-28)=6$ (v) $(-24x-28)=2$

---

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

(i) $(7x-1)=(-9x-7)$ (ii) $(7x-1)=(-9x-4)$ (iii) $7x=(-9x-4)$

(iv) $(7x-2)=(-9x-4)$ (v) $(7x-1)=(-9x-1)$

---

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

(i) $(2x-12)=(-2x-8)$ (ii) $(2x-17)=(-2x-10)$ (iii) $(2x-7)=($

(iv) $(2x-12)=(-2x-10)$ (v) $(2x-12)=(-2x-12)$

---

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

(i) $(12x-13)=(-20x-12)$ (ii) $(12x-8)=(-20x-8)$ (iii) $(12x-8)$

(iv) $(12x-8)=(-20x-16)$ (v) $(12x-3)=(-20x-12)$

---

10. Which of the following equations is not the same as $(-6x+3)=0$

(i) $(-6x+8)=5$ (ii) $(-6x-2)=(-5)$ (iii) $(-6x+7)=4$

(iv) $(-6x+6)=(-3)$ (v) $(-6x-1)=(-4)$

---

11. Which of the following equations is not the same as $(-3x+9)=0$

(i) $(-3x+13)=4$ (ii) $(-3x+5)=(-4)$ (iii) $(-3x+10)=1$

(iv) $(-3x+8)=(-1)$ (v) $(-3x+6)=3$

---

12. Which of the following equations is not the same as $(3x-4)=0$

(i) $(15x-20)=5$ (ii) $(-9x+12)=0$ (iii) $(-12x+16)=0$

(iv) $(12x-16)=0$ (v) $(-6x+8)=0$

---

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

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

(iv) $(-7x-7)=(-4)$ (v) $(-7x-2)=(-3)$

---

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

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

(iv) $(x-2)=9$ (v) $(x-1)=10$

---

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

(i) $(24x+15)=(-12)$ (ii) $(-24x-15)=12$ (iii) $(-32x-20)=8$

(iv) $(32x+20)=(-16)$ (v) $(8x+5)=(-4)$

---

16. Which of the following equations is not the same as $(-5x+7)=(4x-7)$

(i) $(-5x+10)=(4x-4)$ (ii) $(-5x+4)=(4x-10)$ (iii) $(-5x+12)=($

(iv) $(-5x+2)=(4x-12)$ (v) $(-5x+8)=(4x-8)$

---

17. Which of the following equations is not the same as $(9x-8)=(-3x+5)$

(i) $(9x-11)=(-3x+2)$ (ii) $(9x-7)=(-3x+6)$ (iii) $(9x-5)=(-$

(iv) $(9x-9)=(-3x+4)$ (v) $(9x-12)=(-3x+9)$

---

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

(i) $(-12x+27)=(7x-3)$ (ii) $(-8x+18)=(-14x)$ (iii) $(16x-36)=$

(iv) $(20x-45)=35x$ (v) $(-16x+36)=(-28x)$

---

19. Which of the following equations is the same as $(8x-6)=0$

(i) $(-13) = (-8x-7)$ (ii) $(16x+1) = (-8x-7)$ (iii) $(5x-13) = (3x+$

(iv) $(-13) = (8x+7)$ (v) $(11x+1) = (-3x-7)$

---

20. Which of the following equations is the same as $(6x-8) = 0$

(i) $(7x-8) = (-x)$ (ii) $(12x-9) = (-6x+1)$ (iii) $(5x-8) = x$

(iv) $(12x-9) = (6x-1)$ (v) $(-7) = (6x-1)$

---

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

(i) $(x+2) = (5x+5)$ (ii) $(-3x+7) = 9x$ (iii) $(11x+8) = (-5x$

(iv) $(x+2) = (-5x-1)$ (v) $(15x+3) = (-9x+4)$

---

22. Which of the following equations is the same as $(-3x+2) = 8$

(i) $(-2x+2) = (x+8)$ (ii) $(-2x+2) = (-x+8)$ (iii) $(-5x+5) = (2x$

(iv) $(-x-1) = (-2x+11)$ (v) $(-4x+2) = (x+8)$

---

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

(i) $(x+10) = (-8x-9)$ (ii) $(-11x+3) = (4x-2)$ (iii) $(-13x+8)$

(iv) $(-x+15) = (-6x-14)$ (v) $(-11x+3) = (-6x-14)$

---

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

(i) $(-10x+16) = (-9x+7)$ (ii) $(-4x+2) = (-9x+7)$ (iii) $(-8x+8)$

(iv) $(-10x+16) = (-3x-7)$ (v) $(-6x+10) = (-7x-1)$

---

25. Which of the following equations is not the same as $(-3x-2) = 0$

(i) $(-4x-6) = (-x-4)$ (ii) $(-10x+3) = (7x-5)$ (iii) $(4x-7) = (7$

(iv) $(-2x+2) = (x+4)$ (v) $(-10x+3) = (-7x+5)$

---

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

(i) $(2x - 15) = (-5x - 7)$ (ii) $(12x - 1) = (5x + 7)$ (iii) $(8x - 10) = (-$

(iv) $(6x - 6) = (-x + 2)$ (v) $(8x - 10) = (x - 2)$

---

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

(i) $(-9x - 12) = (-3x - 11)$ (ii) $(-3x - 2) = (3x - 1)$ (iii) $(-9x - 12) =$

(iv) $(-9x - 9) = (-3x - 8)$ (v) $(-3x - 5) = (3x - 4)$

---

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

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

(iv) $(10x - 6) = (7x - 8)$ (v) $(-4x) = (-7x - 2)$

---

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

(i) $(4x - 16) = (9x - 1)$ (ii) $(-6x - 11) = (13x + 8)$ (iii) $(8x - 7) = (1$

(iv) $(-2x - 2) = (3x + 13)$ (v) $(-6x - 11) = (-x + 4)$

---

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

(i) $(6x - 9) = (7x - 10)$ (ii) $(5x - 11) = (6x - 12)$ (iii) $(9x - 5) = (10$

(iv) $(5x - 11) = (10x - 6)$ (v) $(8x - 7) = (9x - 8)$

---

31. Which of the following equations is equivalent to $(8x - 7) = 0$

(i) $8x = 3$ (ii) $8x = 11$ (iii) $8x = 7$

(iv) $8x = 5$ (v) $8x = 9$

---

32. Which of the following equations is equivalent to $(-9x + 8) = (-1)$

(i) $(-9x) = (-9)$ (ii) $(-9x) = (-5)$ (iii) $(-9x) = (-13)$

(iv) $(-9x) = (-11)$ (v) $(-9x) = (-7)$

---

33. Which of the following equations is equivalent to $(x - 6) = (2x + 6)$

(i) $(-x) = 12$ (ii) $(-x) = 9$ (iii) $(-x) = 15$

(iv) $(-x) = 11$ (v) $(-x) = 13$

---

34. Which of the following equations is not equivalent to $(6x + 3) = 0$

(i) $(-30x) = 15$ (ii) $(-6x) = 3$ (iii) $6x = (-5)$

(iv) $24x = (-12)$ (v) $18x = (-9)$

---

35. Which of the following equations is not equivalent to $(2x - 3) = 7$

(i) $2x = 5$ (ii) $(-8x) = (-40)$ (iii) $(-2x) = (-10)$

(iv) $2x = 10$ (v) $10x = 50$

---

36. Which of the following equations is not equivalent to $(-2x - 5) = (-9x - 3)$

(i) $7x = 2$ (ii) $35x = 10$ (iii) $7x = 5$

(iv) $28x = 8$ (v) $(-28x) = (-8)$

Assignment Key

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