

EduSahara™ Learning Center Assignment**Grade : Class VII, ICSE****Chapter : Linear Equations****Name : Solving Linear Equations****Licensed To : Teachers and Students for non-commercial use**

1. The additive inverse of the expression $(2x + 3)$ is

(i) $(-2x - 1)$ (ii) $(-2x - 3)$ (iii) $(-3x - 3)$

(iv) $(-2x - 5)$ (v) $(2x + 3)$

2. The additive inverse of the expression (-3) is

(i) 2 (ii) (-3) (iii) 1

(iv) 6 (v) 3

3. Solve the equation $(x - 1) = 0$

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

4. Solve the equation $(-4x) = (-5)$

(i) $\frac{7}{4}$ (ii) $\frac{3}{2}$ (iii) $\frac{7}{6}$ (iv) $\frac{3}{4}$ (v) $\frac{5}{4}$

5. Solve the equation $(-2x + 7) = 0$

(i) $\frac{13}{4}$ (ii) 4 (iii) $\frac{7}{2}$ (iv) $\frac{9}{2}$ (v) $\frac{5}{2}$

6. Solve the equation $(-\frac{7}{2}x + \frac{9}{4}) = 0$

(i) $\frac{1}{2}$ (ii) $\frac{3}{4}$ (iii) $\frac{11}{14}$ (iv) $\frac{9}{14}$ (v) $\frac{9}{16}$

7. Solve the equation $(5x + 7) = (-7)$

(i) $(\frac{-10}{3})$ (ii) $(\frac{-12}{5})$ (iii) $(\frac{-18}{7})$ (iv) $(\frac{-14}{5})$ (v) $(\frac{-16}{5})$

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

- (i) $(\frac{-101}{72})$ (ii) $(\frac{-99}{70})$ (iii) $(\frac{-97}{70})$ (iv) $(\frac{-101}{70})$ (v) $(\frac{-97}{68})$
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9. Solve the equation $(-6x - 3) = (6x - 2)$

- (i) $(\frac{-1}{10})$ (ii) $(\frac{-1}{12})$ (iii) $\frac{1}{12}$ (iv) $(\frac{-1}{14})$ (v) $(\frac{-1}{4})$
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10. Solve the equation $(\frac{9}{5}x + \frac{8}{5}) = (-3x + \frac{3}{2})$

- (i) $\frac{1}{48}$ (ii) $(\frac{-1}{16})$ (iii) $(\frac{-1}{46})$ (iv) $(\frac{-1}{48})$ (v) $(\frac{-1}{50})$
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11. The additive inverse of the expression x is

- (i) $(-2x)$ (ii) $(-x)$ (iii) $(-3x)$
(iv) x
-

12. The additive inverse of the expression (-4) is

- (i) 3 (ii) 4 (iii) 1
(iv) (-4) (v) 7
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13. Solve the equation $(x - 2) = 0$

- (i) -1 (ii) 2 (iii) 4 (iv) 1 (v) 3
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14. Solve the equation $(-3x) = 5$

- (i) -1 (ii) $(\frac{-7}{3})$ (iii) -3 (iv) $(\frac{-5}{3})$ (v) $(\frac{-7}{5})$
-

15. Solve the equation $(-4x + 4) = 0$

- (i) -1 (ii) 0 (iii) 4 (iv) 2 (v) 1
-

16. Solve the equation $(\frac{8}{3}x + 2) = 0$

- (i) $(\frac{-1}{4})$ (ii) $(\frac{-3}{4})$ (iii) $(\frac{-3}{2})$ (iv) $(\frac{-1}{2})$ (v) $(\frac{-5}{4})$
-

17. Solve the equation $(-7x - 9) = 4$

- (i) $(-\frac{5}{3})$ (ii) $(-\frac{15}{7})$ (iii) $(-\frac{13}{7})$ (iv) $(-\frac{11}{5})$ (v) $(-\frac{11}{7})$
-

18. Solve the equation $(-\frac{9}{8}x - \frac{7}{4}) = \frac{7}{4}$

- (i) $(-\frac{22}{7})$ (ii) $(-\frac{10}{3})$ (iii) $(-\frac{28}{9})$ (iv) $(-\frac{34}{11})$ (v) $(-\frac{26}{9})$
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19. Solve the equation $(-9x - 3) = (3x + 9)$

- (i) -3 (ii) 1 (iii) -1 (iv) 0 (v) -2
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20. Solve the equation $(-\frac{3}{5}x + \frac{9}{7}) = (-\frac{5}{6}x + \frac{5}{2})$

- (i) $\frac{253}{49}$ (ii) $\frac{257}{49}$ (iii) $\frac{245}{47}$ (iv) $\frac{265}{51}$ (v) $\frac{255}{49}$
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Assignment Key

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