

SOLVING LINEAR EQUATIONS

ANSWERS

Name: _____

Date: _____

1. Solve $x + 3 = 10$
2. Solve $x - 7 = 15$
3. Solve $4x = 28$
4. Solve $\frac{x}{5} = 9$
5. Solve $2x + 3 = 17$
6. Solve $5x - 8 = 27$
7. Solve $\frac{x}{2} + 4 = 13$
8. Solve $\frac{x}{3} - 2 = 6$
9. Solve $\frac{x+5}{4} = 7$
10. Solve $\frac{x-3}{6} = 5$
11. Solve $3(x+2) = 21$
12. Solve $2(x-4) = 18$
13. Solve $5(x+1) = 35$
14. Solve $4(x-3) + 2 = 18$
15. Solve $3(x+5) - 7 = 20$
16. Solve $\frac{2x+1}{3} = 9$
17. Solve $\frac{3x-4}{5} = 7$
18. Solve $x + 4 = 2x - 3$
19. Solve $3x = x + 10$
20. Solve $5x - 2 = 3x + 8$

$$x = 7$$

$$x = 22$$

$$x = 7$$

$$x = 45$$

$$x = 7$$

$$x = 7$$

$$x = 18$$

$$x = 24$$

$$x = 23$$

$$x = 33$$

$$x = 5$$

$$x = 13$$

$$x = 6$$

$$x = 5$$

$$x = 6$$

$$x = 13$$

$$x = 13$$

$$x = 7$$

$$x = 5$$

$$x = 5$$

$$21. \text{ Solve } 7x + 4 = 5x + 18$$

$$22. \text{ Solve } 4x - 7 = 9 + 2x$$

$$23. \text{ Solve } 6x + 5 = 2x + 19$$

$$24. \text{ Solve } 3x + 8 = 5x - 1$$

$$25. \text{ Solve } 8x - 3 = 3x + 9$$

$$26. \text{ Solve } 5x + 2 = 2x + 11.5$$

$$27. \text{ Solve } 7x - 4 = 3x + \frac{9}{2}$$

$$28. \text{ Solve } 3(x+2) = 2x + 11$$

$$29. \text{ Solve } 3x + 8 = -5x - 11$$

$$30. \text{ Solve } 8x - 13 = -3x + 9$$

$$31. \text{ Solve } 5 - (x - 3) = 9$$

$$32. \text{ Solve } 12 - 2x = 4$$

$$33. \text{ Solve } 3 - \frac{x}{2} = 7$$

$$34. \text{ Solve } \frac{10-x}{3} = 2$$

$$35. \text{ Solve } 2 - \frac{x+1}{4} = 5$$

$$36. \text{ Solve } 3(x-2) = 2(x+4)$$

$$37. \text{ Solve } 5(2x-1) = 3(x+7)$$

$$38. \text{ Solve } 4(x+3) - 2(x-1) = 18$$

$$39. \text{ Solve } 3(2x-1) + 4 = 2(x+8)$$

$$40. \text{ Solve } \frac{2x+3}{5} = \frac{x-1}{2}$$

$$x = 7$$

$$x = 8$$

$$x = 7$$

$$x = \frac{9}{2}$$

$$x = \frac{12}{5}$$

$$x = \frac{19}{6}$$

$$x = \frac{17}{8}$$

$$x = 5$$

$$x = -\frac{19}{8}$$

$$x = \frac{22}{11} = 2$$

$$x = 7$$

$$x = 4$$

$$x = -8$$

$$x = 4$$

$$x = -11$$

$$x = 14$$

$$x = 4$$

$$x = 7$$

$$x = 7$$

$$x = -11$$

