



Name: _____

Due Date: _____

Teacher: _____

Parent Sign: _____

Math Worksheet for 9th Grade

Linear equations with variables on both sides

Problems

1. $2x + 3 = x + 8$

2. $5x - 4 = 2x + 11$

3. $x + 7 = 2x - 3$

4. $4x - 9 = 3x + 2$

5. $7x - 5 = 2x + 20$

6. $-3x + 4 = x - 8$

7. $9 + 2x = 4x - 5$

8. $3x - 6 = x + 2$

9. $-x + 9 = 3$

10. $8 + x = 5x - 12$

11. $2(x + 3) = x + 14$

12. $3(x - 2) = 2x + 1$

13. $4(x + 1) = 2(2x + 5)$

14. $2x + 6 = 2x + 6$

15. $10 - 3x = 1 + 2x$

16. $-2x + 7 = -x + 2$

17. $5x = 15$

18. $x - 4 = -2x + 11$

19. $-4 + 6x = 2 + 2x$

20. $20 - 7x = 6x - 6$

21. $20 - 4x = 3x + 1$

22. $15 - 2x = 5x + 8$

23. $9 - 5x = -2x + 3$

24. $7 - 6x = 4 - x$

25. $12 - 3x = 2x + 7$

26. $30 - x = 2x + 6$

27. $14 - 2x = 10 + x$

28. $5 - 9x = 3x - 10$

29. $18 - 7x = -5x + 2$

30. $(\frac{1}{2})x + 3 = x + 1$

31. $\frac{x}{3} + 2 = \frac{x}{2} + 1$

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32. $(\frac{3}{4})x - 1 = (\frac{1}{2})x + 2$

33. $(\frac{1}{5})x + 4 = (\frac{2}{5})x + 1$

34. $(\frac{x}{4}) - 3 = 2 - (\frac{x}{2})$

35. $(\frac{5}{6})x + 1 = (\frac{1}{2})x + 4$

36. $(\frac{1}{3})x - 2 = 4 - (\frac{1}{6})x$

37. $(2x)/5 + 3 = \frac{x}{5} + 7$

38. $(x + 2)/3 = (x - 1)/2$

39. $(\frac{x}{2}) + (\frac{x}{3}) = 10$

40. $\frac{12}{x} = 3$

41. $\frac{5}{x} = 1$

42. $\frac{8}{x} + 2 = 6$

43. $9 = \frac{27}{x}$

44. $10/(2x) = 5$

45. $\frac{4}{x} = \frac{1}{2}$

46. $15/(3x) = 5$

47. $\frac{2}{x} + 1 = 3$

48. $7 = \frac{21}{x}$

49. $\frac{18}{x} = 6$

50. $\frac{5}{x} = \frac{2}{x}$