



# Math Worksheet for 9th Grade

## Linear equations with parentheses

Name: \_\_\_\_\_

Due Date: \_\_\_\_\_

Teacher: \_\_\_\_\_

Parent Sign: \_\_\_\_\_

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### Answers

1.  $x = 4$

2.  $x = 5$

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

4.  $x = 3$

5.  $x = 1$

6.  $x = 6$

7.  $x = 5$

8.  $x = 2$

9.  $x = 3$

10.  $x = 3$

11.  $x = 5$

12.  $x = \frac{14}{5}$

13.  $x = \frac{17}{3}$

14.  $x = 8$

15.  $x = -5$

16.  $x = 11$

17. No solution (contradiction)

18. Infinite solutions (identity)

19.  $x = 13$

20.  $x = 1$

21.  $x = 3$

22.  $x = 3$

23.  $x = 3$

24.  $x = 1$

25.  $x = 1$

26.  $x = -5$

27.  $x = \frac{21}{5}$

28.  $x = -4$

29.  $x = \frac{13}{3}$

30.  $x = \frac{27}{5}$

31.  $x = 0$



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### Linear equations with parentheses

32.  $x = 3$

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

34.  $x = \frac{4}{3}$

35. Infinite solutions (identity)

36.  $k = 2$

37. All  $k \neq 2$  (then the equation is impossible)

38.  $x = 5$

39.  $x = -4$

40. No solution (gives  $5 = 7$ )

41.  $x = 2$

42.  $x = 3$

43.  $x = 2$

44.  $x = \frac{14}{3}$

45.  $x = 9$

46.  $x = 3$

47.  $x = 6$

48.  $x = \frac{8}{5}$

49.  $x = -5$

50.  $x = 4$