



# Math Worksheet for 8th Grade

## Solutions to linear equations

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

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

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

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

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### Answers

1. (0, 0)
2. Quadrant I
3. Quadrant III
4. Quadrant II
5. Negative y-axis
6. Positive x-axis
7. (3, 2)
8. Negative x-axis
9. Yes
10. Yes
11. Yes
12. No
13. Yes
14. Yes
15. Yes
16. Yes
17. Yes
18. No
19. Yes
20. Yes
21. (1,5), (6,0), (3,4)
22. (2,6), (0,0), (-1,-3)
23. (1,1), (0,-1), (2,3) — (1,-1) is not
24. All four are solutions
25. (5,1) and (2,-2) are solutions; (6,3) and (4,1) are not
26.  $y = 7$
27.  $x = 5$
28.  $y = 3$
29.  $x = 5$
30.  $y = -3$
31.  $x = 3$



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32.  $y = -5$

33.  $x = -3$

34.  $y = 5$

35.  $x = 4$

36.  $y = 6$

37.  $x = 2$

38.  $y = 6$

39.  $x = 2$

40.  $y = 4$

41. Yes

42. Yes

43.  $x = 4$

44. Yes

45.  $y = 3$

46. Yes

47.  $x = -3$

48. Yes

49.  $y = 1$

50. Yes