

Name: _____ Class: _____

Simple Algebra Practice

Solve the following equations:

1. $x + 3 = 7$

2. $2x = 8$

3. $x - 5 = 4$

4. $2x + 3 = 13$

5. $2x = 1$

6. $3x = 9$

7. $5x = 25$

8. $4x - 1 = 19$

9. $4x = -20$

10. $2x = -6$

11. $6x = -12$

12. $4x = -1$

13. $2x + 3 = -5$

14. $2x - 3 = 5$

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

16. $7x - 3 = 2x + 12$

17. $7x - 8 = 5x + 2$

18. $4x + 5 = 2x - 11$

19. $5x - 6 = 2x - 15$

20. $x + 2x = -15$

21. $3x - 5 = 4x - 7$

22. $2x + 7 = 5x - 3$

23. $2x + 7 = 12 - 3x$

24. $6x - 2 = 8x - 5$

25. $8 - 4x = 10 - 2x$

26. $12 = 3x - 6$

27. $3(x - 5) = 12$

28. $5(2x - 3) = 15$

29. $5(3 - 2x) = 30$

30. $3(2x - 4) = 8$

31. $7x + 2 = 5(x - 2)$

32. $22 - 3x = 2(x + 6)$

33. $13 - 3x = 4(x - 2)$

34. $x - 18 = 2(x - 3)$

35. $4(2x - 3) = 3x - 27$

36. $3(2x - 5) = 6 + 2(x - 3)$

37. $4 - (3x - 5) = 6 - (2x + 7)$

38. $x(x + 5) = x^2 - 15$

39. $3x(2 + x) = x(3x - 2) - 24$

40. $3(x - 4) - 2(x - 5) = 6x - 2(x - 5)$

Answers (for teachers)

1. $x = 6$

2. $x = 4$

3. $x = -1$

4. $x = 5$

5. $x = 0.5$

6. $x = 3$

7. $x = 5$

8. $x = 5$

9. $x = -5$

10. $x = -3$

11. $x = -2$

12. $x = 0.25$

13. $x = -4$

14. $x = 4$

15. $x = 5$

16. $x = 3$

17. $x = 5$

18. $x = -8$

19. $x = -3$

20. $x = -5$

21. $x = 2$

22. $x = 10/3$

23. $x = 1$

24. $x = 1.5$

25. $x = -1$

26. $x = 6$

27. $x = 9$

28. $x = 3$

29. $x = -1.5$

30. $x = 10/3$

31. $x = -6$

32. $x = 2$

33. $x = 3$

34. $x = -4$

35. $x = -3$

36. $x = 3.75$

37. $x = 10$

38. $x = -3$

39. $x = -3$

40. $x = -4$