

Name: _____

Date: _____

Like Terms & Distributive Property

Grades 6 – 8 • 50 questions • Show your work

1. Simplify: $x - 3 + 5x - 2 =$ _____

2. Expand: $-3(4x - 5) =$ _____

3. Expand: $6(x + 2) =$ _____

4. Expand: $3(2x - 5) =$ _____

5. Expand: $5(2x + 1) =$ _____

6. Expand: $5(2x + 5) =$ _____

7. Expand: $6(2x - 7) =$ _____

8. Simplify: $6x + 1 + 3x + 2 =$

9. Expand: $-4(2x + 3) =$ _____

10. Expand: $-5(2x - 3) =$ _____

11. Expand: $-2(2x - 9) =$ _____

12. Expand: $5(x - 4) =$ _____

13. Simplify: $3x - 8 + 2x - 9 =$

14. Simplify: $7x - 9 + 3x - 5 =$

15. Expand: $-6(6x + 1) =$ _____

16. Simplify: $2x - 2 + 5x - 2 =$

17. Expand: $-6(5x + 7) =$ _____

18. Simplify: $4x + 4 + 8x + 5 =$

19. Expand: $6(6x - 4) =$ _____

20. Simplify: $4x + 1 + 3x - 8 =$

21. Expand: $6(x + 3) =$ _____

22. Expand: $2(5x - 1) =$ _____

23. Simplify: $8x + 2 + 7x + 6 =$

25. Simplify: $7x - 6 + 8x + 1 =$

27. Expand: $4(4x - 8) =$ _____

29. Expand: $4(2x + 7) =$ _____

31. Simplify: $x + 9 + 8x + 9 =$ _____

33. Expand: $2(x + 1) =$ _____

35. Simplify: $7x + 8 + 5x - 7 =$

37. Simplify: $9x - 3 + 4x - 2 =$

39. Simplify: $5x + 7 + 4x - 1 =$

41. Simplify: $5x - 9 + 7x + 3 =$

43. Expand: $3(3x - 1) =$ _____

45. Expand: $6(6x + 2) =$ _____

24. Expand: $-2(3x - 1) =$ _____

26. Simplify: $x + 5 + 6x - 1 =$ _____

28. Simplify: $6x - 3 + 8x + 4 =$

30. Expand: $4(3x + 2) =$ _____

32. Expand: $4(x - 5) =$ _____

34. Expand: $3(2x + 8) =$ _____

36. Expand: $2(3x - 7) =$ _____

38. Expand: $3(3x - 2) =$ _____

40. Simplify: $x + 2 + 9x + 5 =$ _____

42. Expand: $6(2x + 2) =$ _____

44. Simplify: $9x + 4 + 6x + 5 =$

46. Simplify: $2x + 6 + 2x - 9 =$

47. Simplify: $8x - 6 + x - 7 =$ _____

48. Expand: $3(x - 4) =$ _____

49. Expand: $2(4x - 2) =$ _____

50. Expand: $5(2x + 4) =$ _____

Answer Key — Like Terms & Distributive Property

1. $6x - 5$

2. $-12x + 15$

3. $6x + 12$

4. $6x - 15$

5. $10x + 5$

6. $10x + 25$

7. $12x - 42$

8. $9x + 3$

9. $-8x - 12$

10. $-10x + 15$

11. $-4x + 18$

12. $5x - 20$

13. $5x - 17$

14. $10x - 14$

15. $-36x - 6$

16. $7x - 4$

17. $-30x - 42$

18. $12x + 9$

19. $36x - 24$

20. $7x - 7$

21. $6x + 18$

22. $10x - 2$

23. $15x + 8$

24. $-6x + 2$

25. $15x - 5$

26. $7x + 4$

27. $16x - 32$

28. $14x + 1$

29. $8x + 28$

30. $12x + 8$

31. $9x + 18$

32. $4x - 20$

33. $2x + 2$

34. $6x + 24$

35. $12x + 1$

36. $6x - 14$

37. $13x - 5$

38. $9x - 6$

39. $9x + 6$

40. $10x + 7$

41. $12x - 6$

42. $12x + 12$

43. $9x - 3$

44. $15x + 9$

45. $36x + 12$

46. $4x - 3$

47. $9x - 13$

48. $3x - 12$

49. $8x - 4$

50. $10x + 20$
