Name: Due Date: Teacher: Parent Sign:

1. Expand: $3(x + 4)$

2. Expand: $5(a + 2)$

3. Expand: $2(3x + 5)$

4. Simplify: $4(x + 7) + 2x$

5. Expand: $-2(x - 5)$

6. Expand: $6(2y + 3)$

7. Simplify: $3(x + 4) - 2x$

8. Simplify: $2(4m + 1) + 3m$

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

10. Expand: $7(p + 0)$

11. Evaluate: If $x = 2$, find $4(x + 3)$

12. Evaluate: If $a = -1$, find $5(a + 4)$

13. Expand: $x(5 + 2)$

14. Simplify: $3(x + 2) + 4(x - 1)$

15. Simplify: $2(2x + 3) - x$

16. Expand: $-4(y + 6)$

17. Simplify: $5(n - 2) + 2n$

18. Evaluate: If $y = 3$, find $2(3y + 1)$

19. Expand: $8(x - 2)$

20. Simplify: $-2(3a + 4) + 5a$

21. Expand and simplify: $4(2x + 3) - 3(x + 1)$

22. Evaluate: If $x = -2$, find $-3(x + 5)$

23. Expand: $0(x + 7)$

24. Simplify: $6(x + 2) + 3(x + 4)$

25. Word problem: Each box holds $(x + 3)$ pencils. There are 5 boxes. Write an expression for the total number of pencils and expand.

26. Word problem: A shirt costs a and taxes add $2. For 4 shirts, write and expand the expression for the total cost.

27. Simplify: $3(x + 5) - 2(x - 1)$

28. Expand: $-1(x - 6)$

29. Simplify: $x(2 + 7) + 3$

30. Evaluate: If $m = 4$, find $3(m + 2) + 2m$

31. Word problem: Sam buys 3 packs; each pack has $(2n - 1)$ cards. Write an expression for the total cards and expand.

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32. Expand: -5(x + 2) + 10

33. Simplify: 2(x + 3) + 4(x - 2) - x

34. Evaluate: If p = 1, find 4(p + 5) - 3p

35. Expand: 3(2a + 4) + a

36. Simplify: -2(x - 3) + 4(x + 1)

37. Word problem: A gardener plants 6 rows; each row has (x - 2) flowers. Write expression for total flowers and expand.

38. Expand: 7(y - 3) - 2y

39. Evaluate: If x = 5, compute 5(x - 2) + 3

40. Simplify: 4(3x + 2) - 6x

41. Expand: -3(x + x + 2)

42. Simplify: 5(x + 1) - (x + 4)

43. Word problem: Movie tickets cost 7 each plus a 1 service fee per person. For t people write and expand the expression for the total cost.

44. Expand: 2(4n - 5) + 3n

45. Simplify: (x + 2) + 3(x + 2)

46. Evaluate: If a = 3, find -2(a - 5) + a

47. Expand: 6(x - 0)

48. Simplify: -4(2x + 3) + 8x

49. Word problem: Anna earns b per hour plus a 5 bonus per day. For 3 days write and expand the expression for her total earnings.

50. Simplify: 2(x + 3) - 3(x + 1) + x