Name _____ Class _____ Date _____

Practice 1-7

The Distributive Property

Simplify each expression.

1. $2(x + 6)$

2. $-5(8 - b)$

3. $4(-x + 7)$

4. $(5c - 7)(-3)$

5. $-2.5(3a + 5)$

6. $-(3k - 12)$

7. $-\frac{3}{4}(12 - 16d)$

8. $\frac{2}{3}(6h - 1)$

9. $(-3.2x + 2.1)(-6)$

10. $3.5(3x - 8)$

11. $4(x + 7)$

12. $-2.5(2a - 4)$

13. $\frac{2}{3}(12 - 15d)$

14. $-2(k - 11)$

15. $-\frac{1}{3}(6h + 15)$

16. $(2c - 8)(-4)$

17. $-(4 - 2b)$

18. $2(3x - 9)$

19. $4(2r + 8)$

20. $-5(b - 5)$

21. $3(f + 2)$

22. $6h + 5(h - 5)$

23. $-5d + 3(2d - 7)$

24. $7 + 2(4x - 3)$

25. $2(3h + 2) - 4h$

26. $2(4 + y)$

27. $\frac{1}{2}(2n - 4) - 2n$

28. $-w + 4(w + 3)$

29. $0.4(3d - 5)$

30. $-4d + 2(3 + d)$

31. $2x + \frac{3}{4}(4x + 16)$

32. $2(3a + 2)$

33. $5(t - 3) - 2t$

34. $5(b + 4) - 6b$

35. $\frac{2}{5}(5k + 35) - 8$

36. $0.4(2s + 4)$

37. $\frac{2}{3}(9b - 27)$

38. $\frac{1}{2}(12n - 8)$

39. $0.5(2x - 4)$

40. $2(a - 4) + 15$

41. $13 + 2(5c - 2)$

42. $7 + 2(\frac{1}{5}a - 3)$

43. $5(3x + 12)$

44. $2(m + 1)$

45. $4(2a + 2) - 17$

46. $-4x + 3(2x - 5)$

47. $3(t - 12)$

48. $-6 - 3(2k + 4)$

Write an expression for each phrase.

49. 5 times the quantity x plus 6

50. twice the quantity y minus 8

51. the product of -15 and the quantity x minus 5

52. 32 divided by the quantity y plus 12

53. -8 times the quantity 4 decreased by w

54. the quantity x plus 9, times the quantity 7 minus x

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