



Name: _____

Due Date: _____

Teacher: _____

Parent Sign: _____

Math Worksheet for 6th Grade

Distributive property with variables

Questions

1. Expand: $3(x + 4)$
2. Expand: $5(y + 2)$
3. Expand: $2(a + 7)$
4. Expand: $4(b + 3)$
5. Expand: $6(c + 1)$
6. Expand: $7(m + 0)$
7. Expand: $9(n + 5)$
8. Expand: $8(x + 6)$
9. Expand: $3(z + 9)$
10. Expand: $2(p + 11)$
11. Expand: $4(x - 3)$
12. Expand: $5(y - 6)$
13. Expand: $3(a - 2)$
14. Expand: $6(b - 4)$
15. Expand: $2(c - 5)$
16. Expand: $7(m - 1)$
17. Expand: $8(n - 3)$
18. Expand: $9(x - 2)$
19. Expand: $4(z - 7)$
20. Expand: $5(p - 8)$
21. Expand: $3(2x + 4)$
22. Expand: $2(3y + 5)$
23. Expand: $2(x + y)$
24. Expand: $5(2a + 3)$
25. Expand: $6(3b + 1)$
26. Expand: $7(4c + 2)$
27. Expand: $2(5m + 6)$
28. Expand: $3(4n - 2)$
29. Expand: $4(2x - 3)$
30. Expand: $5(3z - 4)$
31. Factor (use distributive property): $6x + 12$



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32. Factor: $9y - 27$

33. Factor: $8a + 4$

34. Factor: $15b + 5$

35. Factor: $14c - 7$

36. Factor: $12m + 18$

37. Factor: $21n - 14$

38. Factor: $10x + 20$

39. Factor: $16z - 8$

40. Factor: $18p + 6$

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

42. Expand: $-3(y - 4)$

43. Expand: $4(-x + 3)$

44. Expand: $-5(2a + 1)$

45. Factor: $-6x + 18$

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

47. Expand: $6(0 + y)$

48. Factor: $4x + 8$

49. Factor: $2x - 2$

50. Expand: $1(x + 7)$