



Practice

2.6 Adding and Subtracting Expressions

Use the Distributive Property to write equivalent expressions for each expression below.

1. $4(3x + 7)$ _____

2. $5t - 35$ _____

3. $6(2a - 3)$ _____

4. $14f - 28$ _____

5. $9(b + 11)$ _____

6. $18h + 63$ _____

7. $-12(2x - 8)$ _____

8. $rt + rk$ _____

9. $a(b + w)$ _____

10. $-25q - 35$ _____

Give the opposite of each expression.

11. $-10t + 21$ _____

12. $-x + 2z$ _____

13. $4a - 4b$ _____

14. $-4x + 3y$ _____

15. $-7a - 6b - 4c$ _____

16. $m - 8n - 4p$ _____

17. $-6x + (2a + 5)$ _____

18. $9b - (3 - 6z)$ _____

19. $(c + d) + y$ _____

20. $5a + (3c + 4)$ _____

Simplify the following expressions:

21. $2a - a$ _____

22. $6f + 4f$ _____

23. $6r - 3r$ _____

24. $-2d + 5d$ _____

25. $5a - (3a + 1)$ _____

26. $mp + 3mp$ _____

27. $(3a + 2b) + (-3a + b)$ _____

28. $(6p - 3q) - (-6p)$ _____

29. $(6 - 2c) - (2c + 2)$ _____

30. $10 + r - 10$ _____

31. $(4q + 2) - (2q - 3)$ _____

32. $x + y - (3t + y)$ _____

33. $3(f + g) + 7g$ _____

34. $5(f - h) - 4f$ _____

35. $(3 - r) + (4r - 3s + 2) - (1 - s)$ _____

36. $(3x - 5y) - (2x - 3y - z) + (y - z)$ _____