

Practice 2-2**Simplifying Algebraic Expressions****Combine like terms. Write your answer in simplest form.**

1. $9j + 34j$

2. $2.3s - 1.2s$

3. $5t - 12t + 17t$

4. $6q + 14q - 8q$

5. $7t - 12t + 4t$

6. $-16w + 7w - 5w$

Simplify each expression. Write your answer in simplest form.

7. $4a + 7 + 2a$

8. $8(k - 9)$

9. $\frac{2}{3}(w + 3)$

10. $5(b - 6) + 9$

11. $-4 + 3(6 + k)$

12. $-9 + 8(x + 6)$

13. $4(m + 6) - 3$

14. $28k + 36(7 + k)$

15. $4.3(5.6 + c)$

16. $9.8d + 8d - 4.6d + 2.9d$

17. $18 + 27m - 29 + 36m$

Solve.

18. Tyrone bought 15.3 gal of gasoline priced at g dollars per gallon, 2 qt of oil priced at q dollars per quart, and a wiper blade priced at \$3.79. Write an expression that represents the total cost of these items.

19. Choose a number. Multiply by 2. Add 6 to the product. Divide by 2. Then subtract 3. What is the answer? Repeat this process using two different numbers. Explain.
