

# Simplifying Linear Expressions (E)

Simplify each expression by combining like terms.

1.  $-q + 8q + 5q + 2q + 7 - q$

2.  $-9 + 8 + 3 + 5 - 6 - 6c - 8$

3.  $4 - d - 1 - 2d + 3d - 1 + 9$

4.  $-5n + 2n + 8 + 8 + 9n - 3 - n - 8 - 5 + 6$

5.  $6d - 7 + 2d + 9d + 8 - 6 + 2d - 3d - 4$

6.  $3q - 3 + 3q - 8q + 7q - 3 + 6q - 4 + q$

7.  $6 + 7p - 6p - 5 + 7p - 8$

8.  $7s - 7s - 7s - s + s - s - 1$

9.  $5 - 6b - 5b + 3 - 8 + 9 + 3 - 5b + 9 - 3b$

10.  $-5 + 3x - 2 + 3 - 6x - 7$

# Simplifying Linear Expressions (E) Answers

Simplify each expression by combining like terms.

$$\begin{aligned} 1. & -q + 8q + 5q + 2q + 7 - q \\ & = 13q + 7 \end{aligned}$$

$$\begin{aligned} 2. & -9 + 8 + 3 + 5 - 6 - 6c - 8 \\ & = -6c - 7 \end{aligned}$$

$$\begin{aligned} 3. & 4 - d - 1 - 2d + 3d - 1 + 9 \\ & = 11 \end{aligned}$$

$$\begin{aligned} 4. & -5n + 2n + 8 + 8 + 9n - 3 - n - 8 - 5 + 6 \\ & = 5n + 6 \end{aligned}$$

$$\begin{aligned} 5. & 6d - 7 + 2d + 9d + 8 - 6 + 2d - 3d - 4 \\ & = 16d - 9 \end{aligned}$$

$$\begin{aligned} 6. & 3q - 3 + 3q - 8q + 7q - 3 + 6q - 4 + q \\ & = 12q - 10 \end{aligned}$$

$$\begin{aligned} 7. & 6 + 7p - 6p - 5 + 7p - 8 \\ & = 8p - 7 \end{aligned}$$

$$\begin{aligned} 8. & 7s - 7s - 7s - s + s - s - 1 \\ & = -8s - 1 \end{aligned}$$

$$\begin{aligned} 9. & 5 - 6b - 5b + 3 - 8 + 9 + 3 - 5b + 9 - 3b \\ & = -19b + 21 \end{aligned}$$

$$\begin{aligned} 10. & -5 + 3x - 2 + 3 - 6x - 7 \\ & = -3x - 11 \end{aligned}$$