

Simplifying Linear Expressions (C)

Simplify each expression by combining like terms.

$$1. \ 3 + 8 + 9 + 3w + w + 2w - 4w + 8$$

$$2. \ 3 + 7m - 8 - 1 - 9m - 2m - m + 2 - 2 - 5$$

$$3. \ 7v - 4 - 9 + v - 9v + 2v - 3 + 8 + 6 - 4$$

$$4. \ 9 + 7x + 5x - 1 - 9 - 2 + 6x - x$$

$$5. \ 4a - 4a - 1 - 7 + 5a + 5a + 9$$

$$6. \ -1 + k - k - k - 7 - 3 + 1 + 6 + 1$$

$$7. \ -7h - 6 + 3h + 7h + 6h - 2h + 2 - 9 - 3$$

$$8. \ -2 + 2 + 5f + 2f + 5 + 9 + 4f - 3f$$

$$9. \ -p - 6p + 2p - 7p - 6p + 6$$

$$10. \ -6 + 1 - 3w + 4 + 6w + 4w + 9w - 4 + 5w - 6w$$

Simplifying Linear Expressions (C) Answers

Simplify each expression by combining like terms.

$$\begin{aligned} 1. \quad & 3 + 8 + 9 + 3w + w + 2w - 4w + 8 \\ & = 2w + 28 \end{aligned}$$

$$\begin{aligned} 2. \quad & 3 + 7m - 8 - 1 - 9m - 2m - m + 2 - 2 - 5 \\ & = -5m - 11 \end{aligned}$$

$$\begin{aligned} 3. \quad & 7v - 4 - 9 + v - 9v + 2v - 3 + 8 + 6 - 4 \\ & = v - 6 \end{aligned}$$

$$\begin{aligned} 4. \quad & 9 + 7x + 5x - 1 - 9 - 2 + 6x - x \\ & = 17x - 3 \end{aligned}$$

$$\begin{aligned} 5. \quad & 4a - 4a - 1 - 7 + 5a + 5a + 9 \\ & = 10a + 1 \end{aligned}$$

$$\begin{aligned} 6. \quad & -1 + k - k - k - 7 - 3 + 1 + 6 + 1 \\ & = -k - 3 \end{aligned}$$

$$\begin{aligned} 7. \quad & -7h - 6 + 3h + 7h + 6h - 2h + 2 - 9 - 3 \\ & = 7h - 16 \end{aligned}$$

$$\begin{aligned} 8. \quad & -2 + 2 + 5f + 2f + 5 + 9 + 4f - 3f \\ & = 8f + 14 \end{aligned}$$

$$\begin{aligned} 9. \quad & -p - 6p + 2p - 7p - 6p + 6 \\ & = -18p + 6 \end{aligned}$$

$$\begin{aligned} 10. \quad & -6 + 1 - 3w + 4 + 6w + 4w + 9w - 4 + 5w - 6w \\ & = 15w - 5 \end{aligned}$$