

Simplifying Linear Expressions (A)

Simplify each expression by combining like terms.

1. $5r - 7 - 1 - 3r + r + 4r + 9 + 6 - 2r$

2. $-9p + 3 + 4p + 7p - 4p - 4p$

3. $8p - 3 + 9p + 6p + 2p - 6p - 3p - 9p$

4. $-6c + 2c - 4c + 2 - 4c + 6c - 1 - 3 + 5c$

5. $-9v - 9 - 5v - 5 - v + 2 - 8 - 9 + 7v + 5v$

6. $-g - 4 - 5 - 9 + 5g + 7 - 9 + g - 9g$

7. $3 + 8 - 3z - 5 - 9z - 1 - 6 - 4$

8. $-9m - 8 - 3m + 8m - 7m + 4 + 3 + 4 - m$

9. $3p - 3p + 3p + p + 7p + 7 - 4 - 3 - 3p - 7p$

10. $9c + 9 + 2 - 8c + 6c - 5c - 9$

Simplifying Linear Expressions (A) Answers

Simplify each expression by combining like terms.

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

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

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

$$\begin{aligned} 4. & -6c + 2c - 4c + 2 - 4c + 6c - 1 - 3 + 5c \\ & = -c - 2 \end{aligned}$$

$$\begin{aligned} 5. & -9v - 9 - 5v - 5 - v + 2 - 8 - 9 + 7v + 5v \\ & = -3v - 29 \end{aligned}$$

$$\begin{aligned} 6. & -g - 4 - 5 - 9 + 5g + 7 - 9 + g - 9g \\ & = -4g - 20 \end{aligned}$$

$$\begin{aligned} 7. & 3 + 8 - 3z - 5 - 9z - 1 - 6 - 4 \\ & = -12z - 5 \end{aligned}$$

$$\begin{aligned} 8. & -9m - 8 - 3m + 8m - 7m + 4 + 3 + 4 - m \\ & = -12m + 3 \end{aligned}$$

$$\begin{aligned} 9. & 3p - 3p + 3p + p + 7p + 7 - 4 - 3 - 3p - 7p \\ & = p \end{aligned}$$

$$\begin{aligned} 10. & 9c + 9 + 2 - 8c + 6c - 5c - 9 \\ & = 2c + 2 \end{aligned}$$