

Simplifying Linear Expressions (E)

Simplify each expression by combining like terms.

1. $7 - 9r - 9r - 8r + 1$

2. $-3s - 8s - 8 + 7s - 5$

3. $1 + 7z - 5z - z - 7$

4. $8k + 2k - 1 + 7 - 9$

5. $9a - 4a + 4a + a + 3a$

6. $5q - 9 + 4q + 8 - 1$

7. $-5y + 8 + 3y - 9y - 7$

8. $3 - 8x + x - 4x - 4x$

9. $-6g + 8 + 9 - 2 + 4g$

10. $5r - 2r - 8 - r + 5r$

Simplifying Linear Expressions (E) Answers

Simplify each expression by combining like terms.

$$\begin{aligned} 1. & 7 - 9r - 9r - 8r + 1 \\ & = -26r + 8 \end{aligned}$$

$$\begin{aligned} 2. & -3s - 8s - 8 + 7s - 5 \\ & = -4s - 13 \end{aligned}$$

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

$$\begin{aligned} 4. & 8k + 2k - 1 + 7 - 9 \\ & = 10k - 3 \end{aligned}$$

$$\begin{aligned} 5. & 9a - 4a + 4a + a + 3a \\ & = 13a \end{aligned}$$

$$\begin{aligned} 6. & 5q - 9 + 4q + 8 - 1 \\ & = 9q - 2 \end{aligned}$$

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

$$\begin{aligned} 8. & 3 - 8x + x - 4x - 4x \\ & = -15x + 3 \end{aligned}$$

$$\begin{aligned} 9. & -6g + 8 + 9 - 2 + 4g \\ & = -2g + 15 \end{aligned}$$

$$\begin{aligned} 10. & 5r - 2r - 8 - r + 5r \\ & = 7r - 8 \end{aligned}$$