

Simplifying Linear Expressions (B)

Simplify each expression by combining like terms.

1. $3r + r - 3 - 3 + 7r$

2. $-4z - 2z + 1 + 6z - 4z$

3. $-7n + 8n + 1 - 1 - 7n$

4. $1 - 2x - 5 - 6x + 6$

5. $8 - 4d + 8d - 3 - 8$

6. $9 + 9 + 8 - j + 7$

7. $2g + 7g + g - 7 - 5g$

8. $7 - 3 + 9g + 3g - 2$

9. $6d + 1 - 4d - 7 - 7d$

10. $-6w - 5w + 6 - 8w + 4w$

Simplifying Linear Expressions (B) Answers

Simplify each expression by combining like terms.

$$\begin{aligned} 1. & 3r + r - 3 - 3 + 7r \\ & = 11r - 6 \end{aligned}$$

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

$$\begin{aligned} 3. & -7n + 8n + 1 - 1 - 7n \\ & = -6n \end{aligned}$$

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

$$\begin{aligned} 5. & 8 - 4d + 8d - 3 - 8 \\ & = 4d - 3 \end{aligned}$$

$$\begin{aligned} 6. & 9 + 9 + 8 - j + 7 \\ & = -j + 33 \end{aligned}$$

$$\begin{aligned} 7. & 2g + 7g + g - 7 - 5g \\ & = 5g - 7 \end{aligned}$$

$$\begin{aligned} 8. & 7 - 3 + 9g + 3g - 2 \\ & = 12g + 2 \end{aligned}$$

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

$$\begin{aligned} 10. & -6w - 5w + 6 - 8w + 4w \\ & = -15w + 6 \end{aligned}$$