

Simplifying Expressions (I)

Simplify each expression.

1. $6 + u^2 + 6 - u + u$

6. $b - 1 + 3 - 6 + x$

2. $-v + a^2 - 4v + v + 6$

7. $-4uz - 3 - 4uz - z + 1$

3. $-a - 6ax - 4x + 4x^2 + 6x$

8. $1 + 1 + 6z + 3 + z^2$

4. $-5c + c^2 + c - 1 - 1$

9. $6z + 1 + az + 1 + a^2$

5. $5z + 5z + vz - 1 + 4$

10. $-6 + 5 + cy + 5y - cy$

Simplifying Expressions (I) Answers

Simplify each expression.

$$\begin{aligned} 1. \quad & 6 + u^2 + 6 - u + u \\ & = u^2 + 12 \end{aligned}$$

$$\begin{aligned} 6. \quad & b - 1 + 3 - 6 + x \\ & = b + x - 4 \end{aligned}$$

$$\begin{aligned} 2. \quad & -v + a^2 - 4v + v + 6 \\ & = a^2 - 4v + 6 \end{aligned}$$

$$\begin{aligned} 7. \quad & -4uz - 3 - 4uz - z + 1 \\ & = -8uz - z - 2 \end{aligned}$$

$$\begin{aligned} 3. \quad & -a - 6ax - 4x + 4x^2 + 6x \\ & = -6ax + 4x^2 - a + 2x \end{aligned}$$

$$\begin{aligned} 8. \quad & 1 + 1 + 6z + 3 + z^2 \\ & = z^2 + 6z + 5 \end{aligned}$$

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

$$\begin{aligned} 9. \quad & 6z + 1 + az + 1 + a^2 \\ & = az + a^2 + 6z + 2 \end{aligned}$$

$$\begin{aligned} 5. \quad & 5z + 5z + vz - 1 + 4 \\ & = vz + 10z + 3 \end{aligned}$$

$$\begin{aligned} 10. \quad & -6 + 5 + cy + 5y - cy \\ & = 5y - 1 \end{aligned}$$