

Simplifying Expressions (G)

Simplify each expression.

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

6. $z^2 - z - 2z^2 + z$

2. $-6u + 5u + 6u^2 - u$

7. $-u^2 + 3u^2 + u^2 + u^2$

3. $5z^2 - z - 3 + 4$

8. $1 - y + 1 - 1$

4. $-u + u + u + u^2$

9. $1 + x^2 - x - 1$

5. $-v^2 - 6 + 3v^2 - 6v^2$

10. $2a + a + a + 5$

Simplifying Expressions (G) Answers

Simplify each expression.

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

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

$$\begin{aligned} 2. \quad & -6u + 5u + 6u^2 - u \\ & = 6u^2 - 2u \end{aligned}$$

$$\begin{aligned} 7. \quad & -u^2 + 3u^2 + u^2 + u^2 \\ & = 4u^2 \end{aligned}$$

$$\begin{aligned} 3. \quad & 5z^2 - z - 3 + 4 \\ & = 5z^2 - z + 1 \end{aligned}$$

$$\begin{aligned} 8. \quad & 1 - y + 1 - 1 \\ & = -y + 1 \end{aligned}$$

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

$$\begin{aligned} 9. \quad & 1 + x^2 - x - 1 \\ & = x^2 - x \end{aligned}$$

$$\begin{aligned} 5. \quad & -v^2 - 6 + 3v^2 - 6v^2 \\ & = -4v^2 - 6 \end{aligned}$$

$$\begin{aligned} 10. \quad & 2a + a + a + 5 \\ & = 4a + 5 \end{aligned}$$