

Simplifying Expressions (G)

Simplify each expression.

1. $2 + 1 + 6 + y^2$

6. $7u - \frac{4}{4} + u$

2. $4z^2 \cdot z^2 - 1 \cdot z$

7. $-6c + 1 + c - 4c^2$

3. $z \cdot (-5z^2) - 1 + 7z^2$

8. $1 + 6u - \frac{4u^2}{4u}$

4. $-\frac{35a^3}{-5a} - \frac{42a^2}{-7a^2}$

9. $1 + z - 1 - 7$

5. $6z^2 \cdot z \cdot \frac{28z^2}{-4z^2}$

10. $-\frac{27u^3}{-9u} - 7 - 5$

Simplifying Expressions (G) Answers

Simplify each expression.

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

$$\begin{aligned} 6. \quad & 7u - \frac{4}{4} + u \\ & = 8u - 1 \end{aligned}$$

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

$$\begin{aligned} 7. \quad & -6c + 1 + c - 4c^2 \\ & = -4c^2 - 5c + 1 \end{aligned}$$

$$\begin{aligned} 3. \quad & z \cdot (-5z^2) - 1 + 7z^2 \\ & = -5z^3 + 7z^2 - 1 \end{aligned}$$

$$\begin{aligned} 8. \quad & 1 + 6u - \frac{4u^2}{4u} \\ & = 5u + 1 \end{aligned}$$

$$\begin{aligned} 4. \quad & -\frac{35a^3}{-5a} - \frac{42a^2}{-7a^2} \\ & = 7a^2 + 6 \end{aligned}$$

$$\begin{aligned} 9. \quad & 1 + z - 1 - 7 \\ & = z - 7 \end{aligned}$$

$$\begin{aligned} 5. \quad & 6z^2 \cdot z \cdot \frac{28z^2}{-4z^2} \\ & = -42z^3 \end{aligned}$$

$$\begin{aligned} 10. \quad & -\frac{27u^3}{-9u} - 7 - 5 \\ & = 3u^2 - 12 \end{aligned}$$