

## Simplifying Expressions (G)

Simplify each expression.

1.  $\frac{90az^2}{10 \cdot (-az)} + \frac{a^3}{a}$

6.  $-v + v^2 - 1 + 1 + 10$

2.  $\frac{7u}{7} \cdot 3v^2 \cdot (-2) + 9u^2$

7.  $8 \cdot (-3y^2) \cdot \frac{7z}{7} \cdot (-z)$

3.  $v \cdot \frac{10}{10} \cdot 3z \cdot (-10)$

8.  $-1 - 4u^2 + 9cu + 2 + c$

4.  $-\frac{v}{v} - 5v + 8c + c$

9.  $a - 1 + 8a + ax + 8x$

5.  $8a + 6a^2 - 1 + \frac{7a^3}{a}$

10.  $9 + y^2 + uy - 10 - y$

## Simplifying Expressions (G) Answers

Simplify each expression.

$$\begin{aligned} 1. \quad & \frac{90az^2}{10 \cdot (-az)} + \frac{a^3}{a} \\ & = a^2 - 9z \end{aligned}$$

$$\begin{aligned} 6. \quad & -v + v^2 - 1 + 1 + 10 \\ & = v^2 - v + 10 \end{aligned}$$

$$\begin{aligned} 2. \quad & \frac{7u}{7} \cdot 3v^2 \cdot (-2) + 9u^2 \\ & = -6uv^2 + 9u^2 \end{aligned}$$

$$\begin{aligned} 7. \quad & 8 \cdot (-3y^2) \cdot \frac{7z}{7} \cdot (-z) \\ & = 24y^2z^2 \end{aligned}$$

$$\begin{aligned} 3. \quad & v \cdot \frac{10}{10} \cdot 3z \cdot (-10) \\ & = -30vz \end{aligned}$$

$$\begin{aligned} 8. \quad & -1 - 4u^2 + 9cu + 2 + c \\ & = -4u^2 + 9cu + c + 1 \end{aligned}$$

$$\begin{aligned} 4. \quad & -\frac{v}{v} - 5v + 8c + c \\ & = -5v + 9c - 1 \end{aligned}$$

$$\begin{aligned} 9. \quad & a - 1 + 8a + ax + 8x \\ & = ax + 9a + 8x - 1 \end{aligned}$$

$$\begin{aligned} 5. \quad & 8a + 6a^2 - 1 + \frac{7a^3}{a} \\ & = 13a^2 + 8a - 1 \end{aligned}$$

$$\begin{aligned} 10. \quad & 9 + y^2 + uy - 10 - y \\ & = y^2 + uy - y - 1 \end{aligned}$$