

Simplifying Expressions (G)

Simplify each expression.

1. $5c^2 - \frac{10c}{10}$

6. $-6a^2 \cdot a \cdot 8a$

2. $-\frac{8u^2}{-u \cdot 8}$

7. $9a^2 + 3a^2 + a$

3. $-\frac{z}{-1} \cdot z^2$

8. $\frac{z^3}{z} + 10z^2$

4. $-1 + 8v + v$

9. $-\frac{y^4}{-y^2} - 4y$

5. $9a^2 \cdot \left(-\frac{8a^3}{-8a}\right)$

10. $a^2 \cdot 3a \cdot 7$

Simplifying Expressions (G) Answers

Simplify each expression.

$$\begin{aligned} 1. \quad & 5c^2 - \frac{10c}{10} \\ & = 5c^2 - c \end{aligned}$$

$$\begin{aligned} 6. \quad & -6a^2 \cdot a \cdot 8a \\ & = -48a^4 \end{aligned}$$

$$\begin{aligned} 2. \quad & -\frac{8u^2}{-u \cdot 8} \\ & = u \end{aligned}$$

$$\begin{aligned} 7. \quad & 9a^2 + 3a^2 + a \\ & = 12a^2 + a \end{aligned}$$

$$\begin{aligned} 3. \quad & -\frac{z}{-1} \cdot z^2 \\ & = z^3 \end{aligned}$$

$$\begin{aligned} 8. \quad & \frac{z^3}{z} + 10z^2 \\ & = 11z^2 \end{aligned}$$

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

$$\begin{aligned} 9. \quad & -\frac{y^4}{-y^2} - 4y \\ & = y^2 - 4y \end{aligned}$$

$$\begin{aligned} 5. \quad & 9a^2 \cdot \left(-\frac{8a^3}{-8a}\right) \\ & = 9a^4 \end{aligned}$$

$$\begin{aligned} 10. \quad & a^2 \cdot 3a \cdot 7 \\ & = 21a^3 \end{aligned}$$