

## Simplifying Expressions (G)

Simplify each expression.

1.  $cu \cdot 9cu \cdot (-c) \cdot cu$

6.  $v \cdot v^2 \cdot 8v \cdot 5v$

2.  $9ax \cdot \frac{2x}{2} \cdot x^2$

7.  $-6y \cdot \frac{4a}{a} \cdot (-y)$

3.  $\frac{56a^2v^3}{7v^2 \cdot 4v \cdot (-1)}$

8.  $-u \cdot 8 \cdot ux \cdot u$

4.  $-7v \cdot (-y) \cdot (-v) \cdot 9v$

9.  $-\frac{240vx^2}{6vx \cdot 10x} \cdot vx$

5.  $-2a \cdot (-3au) \cdot a \cdot au$

10.  $-\frac{x^2}{-1} \cdot 8ax \cdot (-ax)$

## Simplifying Expressions (G) Answers

Simplify each expression.

$$\begin{aligned} 1. \quad & cu \cdot 9cu \cdot (-c) \cdot cu \\ & = -9c^4u^3 \end{aligned}$$

$$\begin{aligned} 6. \quad & v \cdot v^2 \cdot 8v \cdot 5v \\ & = 40v^5 \end{aligned}$$

$$\begin{aligned} 2. \quad & 9ax \cdot \frac{2x}{2} \cdot x^2 \\ & = 9ax^4 \end{aligned}$$

$$\begin{aligned} 7. \quad & -6y \cdot \frac{4a}{a} \cdot (-y) \\ & = 24y^2 \end{aligned}$$

$$\begin{aligned} 3. \quad & \frac{56a^2v^3}{7v^2 \cdot 4v \cdot (-1)} \\ & = -2a^2 \end{aligned}$$

$$\begin{aligned} 8. \quad & -u \cdot 8 \cdot ux \cdot u \\ & = -8u^3x \end{aligned}$$

$$\begin{aligned} 4. \quad & -7v \cdot (-y) \cdot (-v) \cdot 9v \\ & = -63v^3y \end{aligned}$$

$$\begin{aligned} 9. \quad & -\frac{240vx^2}{6vx \cdot 10x} \cdot vx \\ & = -4vx \end{aligned}$$

$$\begin{aligned} 5. \quad & -2a \cdot (-3au) \cdot a \cdot au \\ & = 6a^4u^2 \end{aligned}$$

$$\begin{aligned} 10. \quad & -\frac{x^2}{-1} \cdot 8ax \cdot (-ax) \\ & = -8a^2x^4 \end{aligned}$$