

## Simplifying Expressions (C)

Simplify each expression.

1.  $c^2 \cdot cy \cdot \left(-\frac{35cy}{-5y}\right)$

6.  $3vz \cdot vz \cdot (-v^2) \cdot (-vz)$

2.  $-v \cdot u \cdot 7u \cdot uv$

7.  $\frac{v^2}{v \cdot v} \cdot v^2$

3.  $9u \cdot z^2 \cdot 6z \cdot u$

8.  $9a \cdot \frac{18a^2}{-9a^2} \cdot 6a$

4.  $c^2 \cdot (-c^2) \cdot \left(-\frac{c^2y}{cy}\right)$

9.  $c \cdot \left(-\frac{6cv^2}{cv \cdot (-v)}\right)$

5.  $-8a \cdot (-6y^2) \cdot (-4y) \cdot y$

10.  $-\frac{8cx^2}{-8cx} \cdot (-x) \cdot 2c$

## Simplifying Expressions (C) Answers

Simplify each expression.

$$\begin{aligned} 1. c^2 \cdot cy \cdot \left(-\frac{35cy}{-5y}\right) \\ = 7c^4y \end{aligned}$$

$$\begin{aligned} 6. 3vz \cdot vz \cdot (-v^2) \cdot (-vz) \\ = 3v^5z^3 \end{aligned}$$

$$\begin{aligned} 2. -v \cdot u \cdot 7u \cdot uv \\ = -7u^3v^2 \end{aligned}$$

$$\begin{aligned} 7. \frac{v^2}{v \cdot v} \cdot v^2 \\ = v^2 \end{aligned}$$

$$\begin{aligned} 3. 9u \cdot z^2 \cdot 6z \cdot u \\ = 54u^2z^3 \end{aligned}$$

$$\begin{aligned} 8. 9a \cdot \frac{18a^2}{-9a^2} \cdot 6a \\ = -108a^2 \end{aligned}$$

$$\begin{aligned} 4. c^2 \cdot (-c^2) \cdot \left(-\frac{c^2y}{cy}\right) \\ = c^5 \end{aligned}$$

$$\begin{aligned} 9. c \cdot \left(-\frac{6cv^2}{cv \cdot (-v)}\right) \\ = 6c \end{aligned}$$

$$\begin{aligned} 5. -8a \cdot (-6y^2) \cdot (-4y) \cdot y \\ = -192ay^4 \end{aligned}$$

$$\begin{aligned} 10. -\frac{8cx^2}{-8cx} \cdot (-x) \cdot 2c \\ = -2cx^2 \end{aligned}$$