

## Simplifying Expressions (B)

Simplify each expression.

1.  $\frac{10c^3}{10c^2} \cdot 7c^2$

6.  $-\frac{90y^3}{y \cdot 9}$

2.  $z \cdot 10 \cdot 8$

7.  $\frac{80u^4}{10 \cdot u^2}$

3.  $y \cdot (-2) \cdot y$

8.  $-1 \cdot 4x \cdot 6$

4.  $-8u \cdot \left(-\frac{3u^3}{3u}\right)$

9.  $-b \cdot \frac{10b}{10}$

5.  $4y \cdot (-2y) \cdot (-5y)$

10.  $3z^2 \cdot (-1) \cdot z^2$

## Simplifying Expressions (B) Answers

Simplify each expression.

$$\begin{aligned} 1. \quad & \frac{10c^3}{10c^2} \cdot 7c^2 \\ & = 7c^3 \end{aligned}$$

$$\begin{aligned} 6. \quad & -\frac{90y^3}{y \cdot 9} \\ & = -10y^2 \end{aligned}$$

$$\begin{aligned} 2. \quad & z \cdot 10 \cdot 8 \\ & = 80z \end{aligned}$$

$$\begin{aligned} 7. \quad & \frac{80u^4}{10 \cdot u^2} \\ & = 8u^2 \end{aligned}$$

$$\begin{aligned} 3. \quad & y \cdot (-2) \cdot y \\ & = -2y^2 \end{aligned}$$

$$\begin{aligned} 8. \quad & -1 \cdot 4x \cdot 6 \\ & = -24x \end{aligned}$$

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

$$\begin{aligned} 9. \quad & -b \cdot \frac{10b}{10} \\ & = -b^2 \end{aligned}$$

$$\begin{aligned} 5. \quad & 4y \cdot (-2y) \cdot (-5y) \\ & = 40y^3 \end{aligned}$$

$$\begin{aligned} 10. \quad & 3z^2 \cdot (-1) \cdot z^2 \\ & = -3z^4 \end{aligned}$$