

## Simplification d'Expressions (D)

Simplifiez chaque expression.

$$1. -10x^2 \cdot \frac{bx^3}{bx} \cdot 9 \cdot (-10x)$$

$$6. 7u \cdot (-u) \cdot (-u^2) \cdot \left(-\frac{u^2}{u^2}\right)$$

$$2. b \cdot \frac{10bv}{2} \cdot (-b^2) \cdot v^2$$

$$7. 8 \cdot 7vy \cdot \frac{6vy^2}{-y \cdot vy}$$

$$3. \frac{45u}{9 \cdot (-5)} \cdot ux \cdot (-u)$$

$$8. -9 \cdot \frac{v^4}{-1 \cdot (-1) \cdot v^2}$$

$$4. \frac{8au}{2au} \cdot (-1) \cdot 5a \cdot 2$$

$$9. 6a \cdot 2ay \cdot \left(-\frac{5a^2y}{ay}\right) \cdot 3y$$

$$5. 9x \cdot \frac{4x^2z^2}{-4xz} \cdot (-x^2) \cdot 5z^2$$

$$10. -b^2 \cdot 7bx \cdot \left(-\frac{9b^2}{-b^2}\right) \cdot 7x$$

## Simplification d'Expressions (D) Solutions

Simplifiez chaque expression.

$$\begin{aligned} 1. & -10x^2 \cdot \frac{bx^3}{bx} \cdot 9 \cdot (-10x) \\ & = 900x^5 \end{aligned}$$

$$\begin{aligned} 6. & 7u \cdot (-u) \cdot (-u^2) \cdot \left(-\frac{u^2}{u^2}\right) \\ & = -7u^4 \end{aligned}$$

$$\begin{aligned} 2. & b \cdot \frac{10bv}{2} \cdot (-b^2) \cdot v^2 \\ & = -5b^4v^3 \end{aligned}$$

$$\begin{aligned} 7. & 8 \cdot 7vy \cdot \frac{6vy^2}{-y \cdot vy} \\ & = -336vy \end{aligned}$$

$$\begin{aligned} 3. & \frac{45u}{9 \cdot (-5)} \cdot ux \cdot (-u) \\ & = u^3x \end{aligned}$$

$$\begin{aligned} 8. & -9 \cdot \frac{v^4}{-1 \cdot (-1) \cdot v^2} \\ & = -9v^2 \end{aligned}$$

$$\begin{aligned} 4. & \frac{8au}{2au} \cdot (-1) \cdot 5a \cdot 2 \\ & = -40a \end{aligned}$$

$$\begin{aligned} 9. & 6a \cdot 2ay \cdot \left(-\frac{5a^2y}{ay}\right) \cdot 3y \\ & = -180a^3y^2 \end{aligned}$$

$$\begin{aligned} 5. & 9x \cdot \frac{4x^2z^2}{-4xz} \cdot (-x^2) \cdot 5z^2 \\ & = 45x^4z^3 \end{aligned}$$

$$\begin{aligned} 10. & -b^2 \cdot 7bx \cdot \left(-\frac{9b^2}{-b^2}\right) \cdot 7x \\ & = -441b^3x^2 \end{aligned}$$