

## Simplification d'Expressions (H)

Simplifiez chaque expression.

1.  $6uv \cdot 10 \cdot (-uv) \cdot (-9) \cdot v^2$

6.  $u \cdot \frac{8au}{u} \cdot 10a \cdot (-4au)$

2.  $6cu \cdot c \cdot (-cu) \cdot \frac{cu^2}{-cu}$

7.  $\frac{u^3}{u^2} \cdot 4 \cdot (-u) \cdot u$

3.  $-3az \cdot 5az \cdot (-z) \cdot az \cdot a^2$

8.  $\frac{6u^3v^2}{-v \cdot u^2} \cdot 9u \cdot 2uv$

4.  $-5v \cdot \frac{72u^4}{8u \cdot (-9u^2)} \cdot 3uv$

9.  $-a \cdot 7 \cdot \frac{ax^2}{ax} \cdot ax$

5.  $-2y \cdot (-5z) \cdot \left( -\frac{42yz}{z \cdot (-7)} \right)$

10.  $-b \cdot \frac{8b^2x^2}{4bx} \cdot (-x) \cdot (-x)$

## Simplification d'Expressions (H) Solutions

Simplifiez chaque expression.

$$\begin{aligned} 1. & 6uv \cdot 10 \cdot (-uv) \cdot (-9) \cdot v^2 \\ & = 540u^2v^4 \end{aligned}$$

$$\begin{aligned} 6. & u \cdot \frac{8au}{u} \cdot 10a \cdot (-4au) \\ & = -320a^3u^2 \end{aligned}$$

$$\begin{aligned} 2. & 6cu \cdot c \cdot (-cu) \cdot \frac{cu^2}{-cu} \\ & = 6c^3u^3 \end{aligned}$$

$$\begin{aligned} 7. & \frac{u^3}{u^2} \cdot 4 \cdot (-u) \cdot u \\ & = -4u^3 \end{aligned}$$

$$\begin{aligned} 3. & -3az \cdot 5az \cdot (-z) \cdot az \cdot a^2 \\ & = 15a^5z^4 \end{aligned}$$

$$\begin{aligned} 8. & \frac{6u^3v^2}{-v \cdot u^2} \cdot 9u \cdot 2uv \\ & = -108u^3v^2 \end{aligned}$$

$$\begin{aligned} 4. & -5v \cdot \frac{72u^4}{8u \cdot (-9u^2)} \cdot 3uv \\ & = 15u^2v^2 \end{aligned}$$

$$\begin{aligned} 9. & -a \cdot 7 \cdot \frac{ax^2}{ax} \cdot ax \\ & = -7a^2x^2 \end{aligned}$$

$$\begin{aligned} 5. & -2y \cdot (-5z) \cdot \left( -\frac{42yz}{z \cdot (-7)} \right) \\ & = 60y^2z \end{aligned}$$

$$\begin{aligned} 10. & -b \cdot \frac{8b^2x^2}{4bx} \cdot (-x) \cdot (-x) \\ & = -2b^2x^3 \end{aligned}$$