

Simplification d'Expressions (H)

Simplifiez chaque expression.

1. $-\frac{7u^4}{u^2} \cdot 7c \cdot u$

6. $-9 \cdot \left(-\frac{6}{-6}\right) \cdot (-ab)$

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

7. $-\frac{5c^2u^2}{-cu} \cdot cu \cdot 7u^2$

3. $-\frac{a^2x^4}{ax \cdot x \cdot (-x)}$

8. $\frac{80u^2y^2}{u \cdot u \cdot 10}$

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

9. $\frac{4b^3}{2b^2} \cdot bx \cdot (-1)$

5. $\frac{6}{6} \cdot uv \cdot uv$

10. $uz \cdot 2uz \cdot z^2 \cdot z^2$

Simplification d'Expressions (H) Solutions

Simplifiez chaque expression.

$$\begin{aligned} 1. & -\frac{7u^4}{u^2} \cdot 7c \cdot u \\ & = -49cu^3 \end{aligned}$$

$$\begin{aligned} 6. & -9 \cdot \left(-\frac{6}{-6}\right) \cdot (-ab) \\ & = 9ab \end{aligned}$$

$$\begin{aligned} 2. & -4u^2 \cdot a^2 \cdot 5a^2 \cdot (-8a) \\ & = 160a^5u^2 \end{aligned}$$

$$\begin{aligned} 7. & -\frac{5c^2u^2}{-cu} \cdot cu \cdot 7u^2 \\ & = 35c^2u^4 \end{aligned}$$

$$\begin{aligned} 3. & -\frac{a^2x^4}{ax \cdot x \cdot (-x)} \\ & = ax \end{aligned}$$

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

$$\begin{aligned} 4. & -5y \cdot (-by) \cdot (-by) \cdot (-y^2) \\ & = 5b^2y^5 \end{aligned}$$

$$\begin{aligned} 9. & \frac{4b^3}{2b^2} \cdot bx \cdot (-1) \\ & = -2b^2x \end{aligned}$$

$$\begin{aligned} 5. & \frac{6}{6} \cdot uv \cdot uv \\ & = u^2v^2 \end{aligned}$$

$$\begin{aligned} 10. & uz \cdot 2uz \cdot z^2 \cdot z^2 \\ & = 2u^2z^6 \end{aligned}$$