

Simplification d'Expressions (I)

Simplifiez chaque expression.

$$1. -xy \cdot (-xy) \cdot (-2x^2) \cdot \frac{x}{x}$$

$$6. 3c^2 \cdot \frac{8c^4}{-c^2 \cdot (-c)} \cdot (-1)$$

$$2. -3x^2 \cdot (-5x) \cdot \frac{x^3}{-1 \cdot (-x^2)}$$

$$7. -9v \cdot (-x^2) \cdot (-10v^2) \cdot 2v^2 \cdot (-1)$$

$$3. 10b^2 \cdot \frac{42b^4}{6b^2} \cdot b \cdot b^2$$

$$8. 9x^2 \cdot \frac{50x^5}{10x^2 \cdot 5x^2 \cdot x}$$

$$4. -6cv \cdot 5cv \cdot \frac{8c^2v^2}{8c^2} \cdot 4c^2$$

$$9. \frac{8u^3}{-8u^2} \cdot (-1) \cdot (-5) \cdot c^2$$

$$5. -z^2 \cdot \left(-\frac{8z}{-8z} \right) \cdot z^2 \cdot (-10z)$$

$$10. bu \cdot 4u \cdot \frac{5bu}{-5u} \cdot b$$

Simplification d'Expressions (I) Solutions

Simplifiez chaque expression.

$$\begin{aligned} 1. & -xy \cdot (-xy) \cdot (-2x^2) \cdot \frac{x}{x} \\ & = -2x^4y^2 \end{aligned}$$

$$\begin{aligned} 6. & 3c^2 \cdot \frac{8c^4}{-c^2 \cdot (-c)} \cdot (-1) \\ & = -24c^3 \end{aligned}$$

$$\begin{aligned} 2. & -3x^2 \cdot (-5x) \cdot \frac{x^3}{-1 \cdot (-x^2)} \\ & = 15x^4 \end{aligned}$$

$$\begin{aligned} 7. & -9v \cdot (-x^2) \cdot (-10v^2) \cdot 2v^2 \cdot (-1) \\ & = 180v^5x^2 \end{aligned}$$

$$\begin{aligned} 3. & 10b^2 \cdot \frac{42b^4}{6b^2} \cdot b \cdot b^2 \\ & = 70b^7 \end{aligned}$$

$$\begin{aligned} 8. & 9x^2 \cdot \frac{50x^5}{10x^2 \cdot 5x^2 \cdot x} \\ & = 9x^2 \end{aligned}$$

$$\begin{aligned} 4. & -6cv \cdot 5cv \cdot \frac{8c^2v^2}{8c^2} \cdot 4c^2 \\ & = -120c^4v^4 \end{aligned}$$

$$\begin{aligned} 9. & \frac{8u^3}{-8u^2} \cdot (-1) \cdot (-5) \cdot c^2 \\ & = -5c^2u \end{aligned}$$

$$\begin{aligned} 5. & -z^2 \cdot \left(-\frac{8z}{-8z} \right) \cdot z^2 \cdot (-10z) \\ & = 10z^5 \end{aligned}$$

$$\begin{aligned} 10. & bu \cdot 4u \cdot \frac{5bu}{-5u} \cdot b \\ & = -4b^3u^2 \end{aligned}$$