

Simplification d'Expressions (F)

Simplifiez chaque expression.

$$1. -\frac{64a^5}{8a^2 \cdot 4 \cdot 2a}$$

$$6. \frac{a^3}{a} \cdot 2a \cdot 10a$$

$$2. v \cdot v^2 \cdot \left(-\frac{9v^3}{9v}\right)$$

$$7. \frac{8x^2}{-x} \cdot (-1) \cdot 7x^2$$

$$3. \frac{16v^5}{2v \cdot 4v^2 \cdot (-v)}$$

$$8. a \cdot a^2 \cdot \frac{16a}{8a}$$

$$4. 4v^2 \cdot v \cdot v^2 \cdot (-6v^2)$$

$$9. -\frac{5x^4}{-x^2 \cdot 5x^2} \cdot 4x$$

$$5. 7v \cdot \left(-\frac{2v^4}{2v^2}\right) \cdot v$$

$$10. 4a \cdot (-a) \cdot a^2 \cdot 2$$

Simplification d'Expressions (F) Solutions

Simplifiez chaque expression.

$$\begin{aligned} 1. & -\frac{64a^5}{8a^2 \cdot 4 \cdot 2a} \\ & = -a^2 \end{aligned}$$

$$\begin{aligned} 6. & \frac{a^3}{a} \cdot 2a \cdot 10a \\ & = 20a^4 \end{aligned}$$

$$\begin{aligned} 2. & v \cdot v^2 \cdot \left(-\frac{9v^3}{9v}\right) \\ & = -v^5 \end{aligned}$$

$$\begin{aligned} 7. & \frac{8x^2}{-x} \cdot (-1) \cdot 7x^2 \\ & = 56x^3 \end{aligned}$$

$$\begin{aligned} 3. & \frac{16v^5}{2v \cdot 4v^2 \cdot (-v)} \\ & = -2v \end{aligned}$$

$$\begin{aligned} 8. & a \cdot a^2 \cdot \frac{16a}{8a} \\ & = 2a^3 \end{aligned}$$

$$\begin{aligned} 4. & 4v^2 \cdot v \cdot v^2 \cdot (-6v^2) \\ & = -24v^7 \end{aligned}$$

$$\begin{aligned} 9. & -\frac{5x^4}{-x^2 \cdot 5x^2} \cdot 4x \\ & = 4x \end{aligned}$$

$$\begin{aligned} 5. & 7v \cdot \left(-\frac{2v^4}{2v^2}\right) \cdot v \\ & = -7v^4 \end{aligned}$$

$$\begin{aligned} 10. & 4a \cdot (-a) \cdot a^2 \cdot 2 \\ & = -8a^4 \end{aligned}$$