

## Simplification d'Expressions (B)

Simplifiez chaque expression.

1.  $3 + 4vz + 5v \cdot vz - 5z$

6.  $-x + 8 - x^2 + 1 + 7x$

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

7.  $4 \cdot 9v \cdot v + b + 5$

3.  $-v^2 - \frac{vz^2}{z} + \frac{v^2z^2}{z^2}$

8.  $av - 10 + 7a + \frac{av}{av}$

4.  $-u \cdot 3 \cdot (-5) + 1 + 1$

9.  $10u \cdot \frac{48u^2}{8u^2} \cdot u \cdot 6u^2$

5.  $9ab \cdot (-10ab) \cdot (-ab) \cdot \left(-\frac{15a^4}{5a^2}\right)$

10.  $-6cx \cdot cx \cdot cx - \frac{x^4}{-x^2}$

## Simplification d'Expressions (B) Solutions

Simplifiez chaque expression.

$$\begin{aligned} 1. & 3 + 4vz + 5v \cdot vz - 5z \\ & = 5v^2z + 4vz - 5z + 3 \end{aligned}$$

$$\begin{aligned} 6. & -x + 8 - x^2 + 1 + 7x \\ & = -x^2 + 6x + 9 \end{aligned}$$

$$\begin{aligned} 2. & \frac{3cv^2}{-1 \cdot (-3cv)} + \frac{6c^2}{2} \\ & = 3c^2 + v \end{aligned}$$

$$\begin{aligned} 7. & 4 \cdot 9v \cdot v + b + 5 \\ & = 36v^2 + b + 5 \end{aligned}$$

$$\begin{aligned} 3. & -v^2 - \frac{vz^2}{z} + \frac{v^2z^2}{z^2} \\ & = -vz \end{aligned}$$

$$\begin{aligned} 8. & av - 10 + 7a + \frac{av}{av} \\ & = av + 7a - 9 \end{aligned}$$

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

$$\begin{aligned} 9. & 10u \cdot \frac{48u^2}{8u^2} \cdot u \cdot 6u^2 \\ & = 360u^4 \end{aligned}$$

$$\begin{aligned} 5. & 9ab \cdot (-10ab) \cdot (-ab) \cdot \left(-\frac{15a^4}{5a^2}\right) \\ & = -270a^5b^3 \end{aligned}$$

$$\begin{aligned} 10. & -6cx \cdot cx \cdot cx - \frac{x^4}{-x^2} \\ & = -6c^3x^3 + x^2 \end{aligned}$$