

## Simplification d'Expressions (D)

Simplifiez chaque expression.

1.  $4ux \cdot (-u^2) - 5ux - u^2 \cdot 7$

6.  $y^2 - 9z^2 + 6 + y^2 + 6z$

2.  $z + z^2 + 10b + \frac{b}{b}$

7.  $\frac{8by^3}{-by} - 5 + 6b - b$

3.  $-c^2 - 8c^2 + 1 + c + 9c^2$

8.  $z^2 + \frac{a^3}{a^2} - 2 + 1$

4.  $7y^2 + 3vy + vy + v^2 + y$

9.  $\frac{bv^2}{v^2} \cdot 9 \cdot v + v$

5.  $-u + v^2 + 6 \cdot (-uv) + 4$

10.  $\frac{z}{z} + \frac{10z^3}{z^2} - z^2$

## Simplification d'Expressions (D) Solutions

Simplifiez chaque expression.

$$\begin{aligned} 1. & 4ux \cdot (-u^2) - 5ux - u^2 \cdot 7 \\ & = -4u^3x - 5ux - 7u^2 \end{aligned}$$

$$\begin{aligned} 6. & y^2 - 9z^2 + 6 + y^2 + 6z \\ & = 2y^2 - 9z^2 + 6z + 6 \end{aligned}$$

$$\begin{aligned} 2. & z + z^2 + 10b + \frac{b}{b} \\ & = z^2 + z + 10b + 1 \end{aligned}$$

$$\begin{aligned} 7. & \frac{8by^3}{-by} - 5 + 6b - b \\ & = -8y^2 + 5b - 5 \end{aligned}$$

$$\begin{aligned} 3. & -c^2 - 8c^2 + 1 + c + 9c^2 \\ & = c + 1 \end{aligned}$$

$$\begin{aligned} 8. & z^2 + \frac{a^3}{a^2} - 2 + 1 \\ & = z^2 + a - 1 \end{aligned}$$

$$\begin{aligned} 4. & 7y^2 + 3vy + vy + v^2 + y \\ & = 7y^2 + 4vy + v^2 + y \end{aligned}$$

$$\begin{aligned} 9. & \frac{bv^2}{v^2} \cdot 9 \cdot v + v \\ & = 9bv + v \end{aligned}$$

$$\begin{aligned} 5. & -u + v^2 + 6 \cdot (-uv) + 4 \\ & = v^2 - 6uv - u + 4 \end{aligned}$$

$$\begin{aligned} 10. & \frac{z}{z} + \frac{10z^3}{z^2} - z^2 \\ & = -z^2 + 10z + 1 \end{aligned}$$