

Simplification d'Expressions (H)

Simplifiez chaque expression.

1. $\frac{21y^3}{7y} + \frac{yz}{yz}$

6. $5u + u^2 - u - 8$

2. $a^2 + 1 + ab + 10$

7. $av \cdot (-10) + \frac{5a}{5a}$

3. $1 + \frac{8bu^2}{u^2} + u^2$

8. $3b - 8b^2 + 8b - b$

4. $10c + c + c + c^2$

9. $1 - v^2 \cdot \left(-\frac{v^2}{-v} \right)$

5. $\frac{8v^4}{8v^2} + 1 + v^2$

10. $-4y \cdot 4y^2 + \frac{3y^2}{y}$

Simplification d'Expressions (H) Solutions

Simplifiez chaque expression.

$$\begin{aligned} 1. \quad & \frac{21y^3}{7y} + \frac{yz}{yz} \\ & = 3y^2 + 1 \end{aligned}$$

$$\begin{aligned} 6. \quad & 5u + u^2 - u - 8 \\ & = u^2 + 4u - 8 \end{aligned}$$

$$\begin{aligned} 2. \quad & a^2 + 1 + ab + 10 \\ & = a^2 + ab + 11 \end{aligned}$$

$$\begin{aligned} 7. \quad & av \cdot (-10) + \frac{5a}{5a} \\ & = -10av + 1 \end{aligned}$$

$$\begin{aligned} 3. \quad & 1 + \frac{8bu^2}{u^2} + u^2 \\ & = u^2 + 8b + 1 \end{aligned}$$

$$\begin{aligned} 8. \quad & 3b - 8b^2 + 8b - b \\ & = -8b^2 + 10b \end{aligned}$$

$$\begin{aligned} 4. \quad & 10c + c + c + c^2 \\ & = c^2 + 12c \end{aligned}$$

$$\begin{aligned} 9. \quad & 1 - v^2 \cdot \left(-\frac{v^2}{-v} \right) \\ & = -v^3 + 1 \end{aligned}$$

$$\begin{aligned} 5. \quad & \frac{8v^4}{8v^2} + 1 + v^2 \\ & = 2v^2 + 1 \end{aligned}$$

$$\begin{aligned} 10. \quad & -4y \cdot 4y^2 + \frac{3y^2}{y} \\ & = -16y^3 + 3y \end{aligned}$$