

## Simplification d'Expressions (E)

Simplifiez chaque expression.

1.  $-\frac{9b}{-b} + \frac{4au^2}{4au} + \frac{4u}{4} - \frac{3au}{-1}$

2.  $-v + v^2 + 1 + 10u^2 + v + 9 + 6u + 7v$

3.  $a \cdot ab \cdot \left(-\frac{18b}{-9b}\right) + \frac{3ac}{3a} + x \cdot (-cx)$

4.  $3u \cdot 4x^2 + c + 1 + 1 + c + 1 + 1$

5.  $7a^2 - v^2 - 7c - 7cv + 9 - 3 - av - 7av$

## Simplification d'Expressions (E) Solutions

Simplifiez chaque expression.

$$\begin{aligned} 1. & -\frac{9b}{-b} + \frac{4au^2}{4au} + \frac{4u}{4} - \frac{3au}{-1} \\ & = 3au + 2u + 9 \end{aligned}$$

$$\begin{aligned} 2. & -v + v^2 + 1 + 10u^2 + v + 9 + 6u + 7v \\ & = v^2 + 10u^2 + 7v + 6u + 10 \end{aligned}$$

$$\begin{aligned} 3. & a \cdot ab \cdot \left( -\frac{18b}{-9b} \right) + \frac{3ac}{3a} + x \cdot (-cx) \\ & = 2a^2b - cx^2 + c \end{aligned}$$

$$\begin{aligned} 4. & 3u \cdot 4x^2 + c + 1 + 1 + c + 1 + 1 \\ & = 12ux^2 + 2c + 4 \end{aligned}$$

$$\begin{aligned} 5. & 7a^2 - v^2 - 7c - 7cv + 9 - 3 - av - 7av \\ & = 7a^2 - v^2 - 7cv - 8av - 7c + 6 \end{aligned}$$