

## Simplifying Expressions (C)

Simplify each expression.

1.  $-\frac{a^2}{-a^2} + \frac{9a^2}{9a}$

6.  $8u + u + 10u + 6$

2.  $v - \frac{10v}{10} + v$

7.  $u^2 + 8u^2 + u \cdot (-7u^2)$

3.  $7 + b + 1 + 4b$

8.  $-\frac{9c^4}{c^2} - \frac{3}{-1}$

4.  $v^2 - v^2 - 5v + 2$

9.  $-1 + \frac{x^2}{x} + 7$

5.  $8 + 8 + 1 + x$

10.  $y \cdot \frac{9y^2}{-9} \cdot (-5)$

## Simplifying Expressions (C) Answers

Simplify each expression.

$$\begin{aligned} 1. & -\frac{a^2}{-a^2} + \frac{9a^2}{9a} \\ & = a + 1 \end{aligned}$$

$$\begin{aligned} 6. & 8u + u + 10u + 6 \\ & = 19u + 6 \end{aligned}$$

$$\begin{aligned} 2. & v - \frac{10v}{10} + v \\ & = v \end{aligned}$$

$$\begin{aligned} 7. & u^2 + 8u^2 + u \cdot (-7u^2) \\ & = -7u^3 + 9u^2 \end{aligned}$$

$$\begin{aligned} 3. & 7 + b + 1 + 4b \\ & = 5b + 8 \end{aligned}$$

$$\begin{aligned} 8. & -\frac{9c^4}{c^2} - \frac{3}{-1} \\ & = -9c^2 + 3 \end{aligned}$$

$$\begin{aligned} 4. & v^2 - v^2 - 5v + 2 \\ & = -5v + 2 \end{aligned}$$

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

$$\begin{aligned} 5. & 8 + 8 + 1 + x \\ & = x + 17 \end{aligned}$$

$$\begin{aligned} 10. & y \cdot \frac{9y^2}{-9} \cdot (-5) \\ & = 5y^3 \end{aligned}$$