

## Simplifying Expressions (C)

Simplify each expression.

1.  $\frac{36v^2}{9} \cdot (-v^2) \cdot 9$

6.  $-y + 10y^2 + y + vy$

2.  $a - \frac{50a}{-5a \cdot 10}$

7.  $uv + 6v + \frac{u^2v}{uv}$

3.  $-1 + 2v^2 + \frac{c^2v}{-c^2}$

8.  $-4 \cdot 9xy + y - 1$

4.  $-8c + 5 + 1 - 6cy$

9.  $-1 + 2z + 3 + z^2$

5.  $-y^2 \cdot 7y^2 \cdot 7 \cdot 2$

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

## Simplifying Expressions (C) Answers

Simplify each expression.

$$\begin{aligned} 1. \quad & \frac{36v^2}{9} \cdot (-v^2) \cdot 9 \\ & = -36v^4 \end{aligned}$$

$$\begin{aligned} 6. \quad & -y + 10y^2 + y + vy \\ & = 10y^2 + vy \end{aligned}$$

$$\begin{aligned} 2. \quad & a - \frac{50a}{-5a \cdot 10} \\ & = a + 1 \end{aligned}$$

$$\begin{aligned} 7. \quad & uv + 6v + \frac{u^2v}{uv} \\ & = uv + 6v + u \end{aligned}$$

$$\begin{aligned} 3. \quad & -1 + 2v^2 + \frac{c^2v}{-c^2} \\ & = 2v^2 - v - 1 \end{aligned}$$

$$\begin{aligned} 8. \quad & -4 \cdot 9xy + y - 1 \\ & = -36xy + y - 1 \end{aligned}$$

$$\begin{aligned} 4. \quad & -8c + 5 + 1 - 6cy \\ & = -6cy - 8c + 6 \end{aligned}$$

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

$$\begin{aligned} 5. \quad & -y^2 \cdot 7y^2 \cdot 7 \cdot 2 \\ & = -98y^4 \end{aligned}$$

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