

## Simplifying Expressions (J)

Simplify each expression.

1.  $-\frac{24yz}{-y} + 85y - z + \frac{70a^2}{70a^2} + yz + 1$

2.  $v + 19v \cdot 30 \cdot 7uy \cdot v + v^2 - 32 + 1$

3.  $-49a + \frac{8u}{8u} + 73v - 11uv + 40 + \frac{uv}{uv}$

4.  $-\frac{2v^2}{-1} - 86v + 1 + \frac{2279cvy}{43c} - cv + v$

5.  $-1 + x^2 + 41bx - x^2 + x^2 + x^2 - \frac{1274x^2}{-13}$

## Simplifying Expressions (J) Answers

Simplify each expression.

$$\begin{aligned} 1. & -\frac{24yz}{-y} + 85y - z + \frac{70a^2}{70a^2} + yz + 1 \\ & = yz + 23z + 85y + 2 \end{aligned}$$

$$\begin{aligned} 2. & v + 19v \cdot 30 \cdot 7uy \cdot v + v^2 - 32 + 1 \\ & = 3990uv^2y + v^2 + v - 31 \end{aligned}$$

$$\begin{aligned} 3. & -49a + \frac{8u}{8u} + 73v - 11uv + 40 + \frac{uv}{uv} \\ & = -11uv - 49a + 73v + 42 \end{aligned}$$

$$\begin{aligned} 4. & -\frac{2v^2}{-1} - 86v + 1 + \frac{2279cvy}{43c} - cv + v \\ & = 2v^2 + 53vy - cv - 85v + 1 \end{aligned}$$

$$\begin{aligned} 5. & -1 + x^2 + 41bx - x^2 + x^2 + x^2 - \frac{1274x^2}{-13} \\ & = 100x^2 + 41bx - 1 \end{aligned}$$