

Simplifying Expressions (C)

Simplify each expression.

1. $-vy \cdot 87 \cdot 89 \cdot 89 + \frac{a}{a} \cdot 77z - yz$

2. $a^2 \cdot (-u^2) \cdot (-36) \cdot u \cdot 81a \cdot 46 \cdot 11u^2 \cdot a$

3. $\frac{12ux}{12 \cdot ux} + \frac{21}{-21} - \frac{2244x^2}{68} + 70x$

4. $-85b - 16b^2 - b + 74xz - 1 - 56b - \frac{xz}{-1}$

5. $40vy \cdot yz \cdot yz \cdot yz - 95 + \frac{3744}{96 \cdot 39}$

Simplifying Expressions (C) Answers

Simplify each expression.

$$\begin{aligned} 1. & -vy \cdot 87 \cdot 89 \cdot 89 + \frac{a}{a} \cdot 77z - yz \\ & = -689127vy - yz + 77z \end{aligned}$$

$$\begin{aligned} 2. & a^2 \cdot (-u^2) \cdot (-36) \cdot u \cdot 81a \cdot 46 \cdot 11u^2 \cdot a \\ & = 1475496a^4u^5 \end{aligned}$$

$$\begin{aligned} 3. & \frac{12ux}{12 \cdot ux} + \frac{21}{-21} - \frac{2244x^2}{68} + 70x \\ & = -33x^2 + 70x \end{aligned}$$

$$\begin{aligned} 4. & -85b - 16b^2 - b + 74xz - 1 - 56b - \frac{xz}{-1} \\ & = -16b^2 + 75xz - 142b - 1 \end{aligned}$$

$$\begin{aligned} 5. & 40vy \cdot yz \cdot yz \cdot yz - 95 + \frac{3744}{96 \cdot 39} \\ & = 40vy^4z^3 - 94 \end{aligned}$$