

Simplifying Expressions (B)

Simplify each expression.

1. $-73xy + 40 - cv - x - x^2 + 1 - 85x - x$

2. $94z - 81b^2 - \frac{z}{-1} - 1 - 38bu + 1 - 47bz$

3. $12y + 64y^2 + ay - y + a + 6 + y^2 + 79ay$

4. $20ux \cdot 17y^2 + y + \frac{5y^3}{y^2} + 99 - \frac{8500u}{100}$

5. $c - 65 - \frac{57c^2x}{cx} + x^2 - 59c \cdot \left(-\frac{c}{c}\right)$

Simplifying Expressions (B) Answers

Simplify each expression.

$$\begin{aligned} 1. & -73xy + 40 - cv - x - x^2 + 1 - 85x - x \\ & = -73xy - cv - x^2 - 87x + 41 \end{aligned}$$

$$\begin{aligned} 2. & 94z - 81b^2 - \frac{z}{-1} - 1 - 38bu + 1 - 47bz \\ & = -81b^2 - 38bu - 47bz + 95z \end{aligned}$$

$$\begin{aligned} 3. & 12y + 64y^2 + ay - y + a + 6 + y^2 + 79ay \\ & = 65y^2 + 80ay + 11y + a + 6 \end{aligned}$$

$$\begin{aligned} 4. & 20ux \cdot 17y^2 + y + \frac{5y^3}{y^2} + 99 - \frac{8500u}{100} \\ & = 340uxy^2 + 6y - 85u + 99 \end{aligned}$$

$$\begin{aligned} 5. & c - 65 - \frac{57c^2x}{cx} + x^2 - 59c \cdot \left(-\frac{c}{c}\right) \\ & = x^2 + 3c - 65 \end{aligned}$$