

Simplifying Expressions (I)

Simplify each expression.

1. $u^2 - au - u + u + u + 5$

6. $b - y + b^2 + 5y^2 + y + 4b$

2. $-3x^2 - cx + cx + 3 + c + x^2$

7. $2 + 5 + a + 2 - 2 + 6$

3. $6vx + 6 - 1 + 6x + v + 2v$

8. $-4v^2 + 4 + 4c + v - 4v - 4c$

4. $1 - 1 - a^2 - 6a + 3c^2 + ac$

9. $-v - 4x - 4 - 3 - 2 + 1$

5. $-b^2 + 2b^2 + 6b + 6b + 2b^2 + b$

10. $c^2 - 1 - 2 + 3 + 4u - u$

Simplifying Expressions (I) Answers

Simplify each expression.

$$\begin{aligned} 1. \quad & u^2 - au - u + u + u + 5 \\ & = u^2 - au + u + 5 \end{aligned}$$

$$\begin{aligned} 6. \quad & b - y + b^2 + 5y^2 + y + 4b \\ & = b^2 + 5y^2 + 5b \end{aligned}$$

$$\begin{aligned} 2. \quad & -3x^2 - cx + cx + 3 + c + x^2 \\ & = -2x^2 + c + 3 \end{aligned}$$

$$\begin{aligned} 7. \quad & 2 + 5 + a + 2 - 2 + 6 \\ & = a + 13 \end{aligned}$$

$$\begin{aligned} 3. \quad & 6vx + 6 - 1 + 6x + v + 2v \\ & = 6vx + 6x + 3v + 5 \end{aligned}$$

$$\begin{aligned} 8. \quad & -4v^2 + 4 + 4c + v - 4v - 4c \\ & = -4v^2 - 3v + 4 \end{aligned}$$

$$\begin{aligned} 4. \quad & 1 - 1 - a^2 - 6a + 3c^2 + ac \\ & = -a^2 + 3c^2 + ac - 6a \end{aligned}$$

$$\begin{aligned} 9. \quad & -v - 4x - 4 - 3 - 2 + 1 \\ & = -v - 4x - 8 \end{aligned}$$

$$\begin{aligned} 5. \quad & -b^2 + 2b^2 + 6b + 6b + 2b^2 + b \\ & = 3b^2 + 13b \end{aligned}$$

$$\begin{aligned} 10. \quad & c^2 - 1 - 2 + 3 + 4u - u \\ & = c^2 + 3u \end{aligned}$$