

Simplifying Expressions (E)

Simplify each expression.

1. $4c + c^2 + c^2 + c^2$

6. $-6v + 1 + v - 1$

2. $3x^2 + x^2 + 5x + 5x^2$

7. $c^2 + c^2 - 5 - c$

3. $1 - 3a - 5a + 1$

8. $3u^2 - 5 + u + u^2$

4. $-v + 6v + v + 1$

9. $x + x + 1 - x^2$

5. $1 - 1 + v + 1$

10. $-2 + 4y + y - y$

Simplifying Expressions (E) Answers

Simplify each expression.

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

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

$$\begin{aligned} 2. \quad & 3x^2 + x^2 + 5x + 5x^2 \\ & = 9x^2 + 5x \end{aligned}$$

$$\begin{aligned} 7. \quad & c^2 + c^2 - 5 - c \\ & = 2c^2 - c - 5 \end{aligned}$$

$$\begin{aligned} 3. \quad & 1 - 3a - 5a + 1 \\ & = -8a + 2 \end{aligned}$$

$$\begin{aligned} 8. \quad & 3u^2 - 5 + u + u^2 \\ & = 4u^2 + u - 5 \end{aligned}$$

$$\begin{aligned} 4. \quad & -v + 6v + v + 1 \\ & = 6v + 1 \end{aligned}$$

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

$$\begin{aligned} 5. \quad & 1 - 1 + v + 1 \\ & = v + 1 \end{aligned}$$

$$\begin{aligned} 10. \quad & -2 + 4y + y - y \\ & = 4y - 2 \end{aligned}$$