

Simplifying Expressions (C)

Simplify each expression.

1. $-5x - 1 + x + x$

6. $3c^2 - c^2 - c^2 + c$

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

7. $-1 + 1 + 1 + u^2$

3. $4 - 6x + x + 1$

8. $5 - 1 - 4b^2 + 1$

4. $3 + 6 + 5a^2 + a$

9. $c^2 + 6c^2 + 6c^2 - c$

5. $u^2 + 3u + 4 - u$

10. $-x + x^2 + x + x$

Simplifying Expressions (C) Answers

Simplify each expression.

$$\begin{aligned} 1. & -5x - 1 + x + x \\ & = -3x - 1 \end{aligned}$$

$$\begin{aligned} 6. & 3c^2 - c^2 - c^2 + c \\ & = c^2 + c \end{aligned}$$

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

$$\begin{aligned} 7. & -1 + 1 + 1 + u^2 \\ & = u^2 + 1 \end{aligned}$$

$$\begin{aligned} 3. & 4 - 6x + x + 1 \\ & = -5x + 5 \end{aligned}$$

$$\begin{aligned} 8. & 5 - 1 - 4b^2 + 1 \\ & = -4b^2 + 5 \end{aligned}$$

$$\begin{aligned} 4. & 3 + 6 + 5a^2 + a \\ & = 5a^2 + a + 9 \end{aligned}$$

$$\begin{aligned} 9. & c^2 + 6c^2 + 6c^2 - c \\ & = 13c^2 - c \end{aligned}$$

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

$$\begin{aligned} 10. & -x + x^2 + x + x \\ & = x^2 + x \end{aligned}$$