

Simplifying Expressions (D)

Simplify each expression.

1. $6x^2 + x + x^2$

6. $c^2 - 6c^2 - c$

2. $z + z + 6z^2$

7. $v + v - 5$

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

8. $1 + 2x^2 + 6$

4. $-c + 1 + 5c$

9. $3u^2 - 5u + 3u^2$

5. $b^2 - 1 + 6$

10. $5 - a - a$

Simplifying Expressions (D) Answers

Simplify each expression.

$$\begin{aligned} 1. \quad & 6x^2 + x + x^2 \\ & = 7x^2 + x \end{aligned}$$

$$\begin{aligned} 6. \quad & c^2 - 6c^2 - c \\ & = -5c^2 - c \end{aligned}$$

$$\begin{aligned} 2. \quad & z + z + 6z^2 \\ & = 6z^2 + 2z \end{aligned}$$

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

$$\begin{aligned} 3. \quad & -2a^2 + 6a + a \\ & = -2a^2 + 7a \end{aligned}$$

$$\begin{aligned} 8. \quad & 1 + 2x^2 + 6 \\ & = 2x^2 + 7 \end{aligned}$$

$$\begin{aligned} 4. \quad & -c + 1 + 5c \\ & = 4c + 1 \end{aligned}$$

$$\begin{aligned} 9. \quad & 3u^2 - 5u + 3u^2 \\ & = 6u^2 - 5u \end{aligned}$$

$$\begin{aligned} 5. \quad & b^2 - 1 + 6 \\ & = b^2 + 5 \end{aligned}$$

$$\begin{aligned} 10. \quad & 5 - a - a \\ & = -2a + 5 \end{aligned}$$