

Simplifying Expressions

Simplify each expression.

1. $z - 1 + 4$

6. $4x^2 + 1 - 4$

2. $c^2 + c + c$

7. $a^2 - 1 + 4$

3. $-2y^2 - y^2 + 5$

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

4. $6v^2 - 4v - 4v$

9. $-3b - b^2 - 2b^2$

5. $3z^2 + 3z^2 + 4z$

10. $x + x - 1$

Simplifying Expressions Answers

Simplify each expression.

$$\begin{aligned} 1. \quad & z - 1 + 4 \\ & = z + 3 \end{aligned}$$

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

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

$$\begin{aligned} 7. \quad & a^2 - 1 + 4 \\ & = a^2 + 3 \end{aligned}$$

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

$$\begin{aligned} 8. \quad & y - 6y^2 + y^2 \\ & = -5y^2 + y \end{aligned}$$

$$\begin{aligned} 4. \quad & 6v^2 - 4v - 4v \\ & = 6v^2 - 8v \end{aligned}$$

$$\begin{aligned} 9. \quad & -3b - b^2 - 2b^2 \\ & = -3b^2 - 3b \end{aligned}$$

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

$$\begin{aligned} 10. \quad & x + x - 1 \\ & = 2x - 1 \end{aligned}$$