

Simplifying Expressions (F)

Simplify each expression.

1. $-v^2 - 4v + v + 4v^2$

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

2. $2b + b + 6 + b$

7. $2z + 1 - z - 4z^2$

3. $4 + b - 3b - 5b$

8. $x + 1 + 1 - 1$

4. $2 + 3a - 1 + 1$

9. $1 + c - 6c - 1$

5. $y^2 + 6y^2 - 1 + 4y^2$

10. $2y + 2 + y^2 - y^2$

Simplifying Expressions (F) Answers

Simplify each expression.

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

$$\begin{aligned} 6. \quad & 4y - 1 + y - y^2 \\ & = -y^2 + 5y - 1 \end{aligned}$$

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

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

$$\begin{aligned} 3. \quad & 4 + b - 3b - 5b \\ & = -7b + 4 \end{aligned}$$

$$\begin{aligned} 8. \quad & x + 1 + 1 - 1 \\ & = x + 1 \end{aligned}$$

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

$$\begin{aligned} 9. \quad & 1 + c - 6c - 1 \\ & = -5c \end{aligned}$$

$$\begin{aligned} 5. \quad & y^2 + 6y^2 - 1 + 4y^2 \\ & = 11y^2 - 1 \end{aligned}$$

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