

Simplifying Expressions (J)

Simplify each expression.

1. $v^2 + v^2 + v^2$

6. $2 + b^2 + 6$

2. $4a^2 - 5a^2 + 5a$

7. $a - 5a + 6a^2$

3. $-a + 3 - 3$

8. $y^2 + 1 + 2$

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

9. $-v - 2v^2 - v^2$

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

10. $-u^2 - u^2 + u^2$

Simplifying Expressions (J) Answers

Simplify each expression.

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

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

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

$$\begin{aligned} 7. \quad & a - 5a + 6a^2 \\ & = 6a^2 - 4a \end{aligned}$$

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

$$\begin{aligned} 8. \quad & y^2 + 1 + 2 \\ & = y^2 + 3 \end{aligned}$$

$$\begin{aligned} 4. \quad & 6y^2 + 2y^2 + y^2 \\ & = 9y^2 \end{aligned}$$

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

$$\begin{aligned} 5. \quad & -6a - a + a^2 \\ & = a^2 - 7a \end{aligned}$$

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