

## Simplifying Expressions (I)

Simplify each expression.

1.  $6v^2 + v^2 + 3$

6.  $z^2 + z^2 + 3z$

2.  $z^2 + z + z$

7.  $-4c^2 + c^2 - c^2$

3.  $1 + 1 + 5a^2$

8.  $y + y - 1$

4.  $z^2 + 6z + 3z$

9.  $4b + 1 + b$

5.  $b^2 + b + b^2$

10.  $4v^2 + 1 - v^2$

## Simplifying Expressions (I) Answers

Simplify each expression.

$$\begin{aligned} 1. \quad & 6v^2 + v^2 + 3 \\ & = 7v^2 + 3 \end{aligned}$$

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

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

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

$$\begin{aligned} 3. \quad & 1 + 1 + 5a^2 \\ & = 5a^2 + 2 \end{aligned}$$

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

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

$$\begin{aligned} 9. \quad & 4b + 1 + b \\ & = 5b + 1 \end{aligned}$$

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

$$\begin{aligned} 10. \quad & 4v^2 + 1 - v^2 \\ & = 3v^2 + 1 \end{aligned}$$