

Simplifying Expressions (G)

Simplify each expression.

1. $-2a - 1 - 1 + 1 + 2$

6. $v^2 - u + 6u + 6v^2 - 1$

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

7. $-1 + y^2 + 5 - ay + ay$

3. $-u + u - 5u^2 + u + 1$

8. $-5cy + 5 + 1 + 3 - 5y^2$

4. $5cy - 5 - 5c + 1 + 5$

9. $1 + 1 + cz + 1 + z$

5. $-z + 5b^2 + b - 6b^2 - 4bz$

10. $-5 + a + y + y + y$

Simplifying Expressions (G) Answers

Simplify each expression.

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

$$\begin{aligned} 6. & v^2 - u + 6u + 6v^2 - 1 \\ & = 7v^2 + 5u - 1 \end{aligned}$$

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

$$\begin{aligned} 7. & -1 + y^2 + 5 - ay + ay \\ & = y^2 + 4 \end{aligned}$$

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

$$\begin{aligned} 8. & -5cy + 5 + 1 + 3 - 5y^2 \\ & = -5cy - 5y^2 + 9 \end{aligned}$$

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

$$\begin{aligned} 9. & 1 + 1 + cz + 1 + z \\ & = cz + z + 3 \end{aligned}$$

$$\begin{aligned} 5. & -z + 5b^2 + b - 6b^2 - 4bz \\ & = -b^2 - 4bz - z + b \end{aligned}$$

$$\begin{aligned} 10. & -5 + a + y + y + y \\ & = a + 3y - 5 \end{aligned}$$