

Simplifying Expressions (H)

Simplify each expression.

1. $z^2 - 6z^2 + z$

6. $-a + a + 4a$

2. $c - c - 4c^2$

7. $a^2 - 2a^2 + 3a$

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

8. $z^2 + 2z^2 + 4z$

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

9. $1 + b^2 + 6$

5. $y + 5y^2 + y^2$

10. $5u + 2 + 2u$

Simplifying Expressions (H) Answers

Simplify each expression.

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

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

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

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

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

$$\begin{aligned} 8. \quad & z^2 + 2z^2 + 4z \\ & = 3z^2 + 4z \end{aligned}$$

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

$$\begin{aligned} 9. \quad & 1 + b^2 + 6 \\ & = b^2 + 7 \end{aligned}$$

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

$$\begin{aligned} 10. \quad & 5u + 2 + 2u \\ & = 7u + 2 \end{aligned}$$