

Simplifying Expressions (I)

Simplify each expression.

1. $-x^2 + 2 - 3x^2 + 4$

6. $-6u^2 - u - 3u^2 - 4u^2$

2. $6c + 3c - c^2 + c^2$

7. $4 - 3 + 2 - 5u^2$

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

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

4. $4 + 1 - 6c - 1$

9. $y^2 + 1 + 1 + y^2$

5. $v^2 + v - 3v^2 + v^2$

10. $2c^2 - 2c - 1 - c^2$

Simplifying Expressions (I) Answers

Simplify each expression.

$$\begin{aligned} 1. & -x^2 + 2 - 3x^2 + 4 \\ & = -4x^2 + 6 \end{aligned}$$

$$\begin{aligned} 6. & -6u^2 - u - 3u^2 - 4u^2 \\ & = -13u^2 - u \end{aligned}$$

$$\begin{aligned} 2. & 6c + 3c - c^2 + c^2 \\ & = 9c \end{aligned}$$

$$\begin{aligned} 7. & 4 - 3 + 2 - 5u^2 \\ & = -5u^2 + 3 \end{aligned}$$

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

$$\begin{aligned} 8. & v^2 + v^2 - 1 + 1 \\ & = 2v^2 \end{aligned}$$

$$\begin{aligned} 4. & 4 + 1 - 6c - 1 \\ & = -6c + 4 \end{aligned}$$

$$\begin{aligned} 9. & y^2 + 1 + 1 + y^2 \\ & = 2y^2 + 2 \end{aligned}$$

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

$$\begin{aligned} 10. & 2c^2 - 2c - 1 - c^2 \\ & = c^2 - 2c - 1 \end{aligned}$$