

Simplifying Expressions (F)

Simplify each expression.

1. $3u^2 + 1 - 10u^2$

6. $3 + 1 + b^2$

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

7. $-9u^2 + 1 + 4u^2$

3. $-\frac{c^2}{-1} + 10c$

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

4. $6u - 10u - 1$

9. $-6 - v - 4v$

5. $-u^2 + \frac{12u^2}{3}$

10. $-\frac{15x}{-5x} \cdot x$

Simplifying Expressions (F) Answers

Simplify each expression.

$$\begin{aligned} 1. \quad & 3u^2 + 1 - 10u^2 \\ & = -7u^2 + 1 \end{aligned}$$

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

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

$$\begin{aligned} 7. \quad & -9u^2 + 1 + 4u^2 \\ & = -5u^2 + 1 \end{aligned}$$

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

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

$$\begin{aligned} 4. \quad & 6u - 10u - 1 \\ & = -4u - 1 \end{aligned}$$

$$\begin{aligned} 9. \quad & -6 - v - 4v \\ & = -5v - 6 \end{aligned}$$

$$\begin{aligned} 5. \quad & -u^2 + \frac{12u^2}{3} \\ & = 3u^2 \end{aligned}$$

$$\begin{aligned} 10. \quad & -\frac{15x}{-5x} \cdot x \\ & = 3x \end{aligned}$$