

Simplifying Expressions (F)

Simplify each expression.

1. $-z^2 - 3z - z - 4$

6. $1 + 2z^2 + 5z^2 + 5z$

2. $1 + 4y^2 + 1 + 6$

7. $-1 - 4ay - 6y - 4$

3. $-u + 4 + 5 - bu$

8. $1 + 4c + 1 - 2$

4. $-3u + 4c + 4u + 1$

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

5. $ux + x^2 + 4ux - u^2$

10. $v - 5 + vx + v$

Simplifying Expressions (F) Answers

Simplify each expression.

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

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

$$\begin{aligned} 2. & 1 + 4y^2 + 1 + 6 \\ & = 4y^2 + 8 \end{aligned}$$

$$\begin{aligned} 7. & -1 - 4ay - 6y - 4 \\ & = -4ay - 6y - 5 \end{aligned}$$

$$\begin{aligned} 3. & -u + 4 + 5 - bu \\ & = -bu - u + 9 \end{aligned}$$

$$\begin{aligned} 8. & 1 + 4c + 1 - 2 \\ & = 4c \end{aligned}$$

$$\begin{aligned} 4. & -3u + 4c + 4u + 1 \\ & = u + 4c + 1 \end{aligned}$$

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

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

$$\begin{aligned} 10. & v - 5 + vx + v \\ & = vx + 2v - 5 \end{aligned}$$