

Simplifying Expressions (F)

Simplify each expression.

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

6. $-4c + bc + 4 + 6 + b$

2. $-ux + 1 + 2u^2 + 2x^2 + 1$

7. $-1 - v - 1 + 6v - 1$

3. $1 + 6y^2 + 1 + 5y + 6cy$

8. $4 + bx + b + x - 1$

4. $1 + 1 + 4 - v^2 + 1$

9. $-c^2 - bc + 4c + 6b - bc$

5. $uy + 1 + 4y + y - u^2$

10. $1 + 6 + 3vx + 2x + 1$

Simplifying Expressions (F) Answers

Simplify each expression.

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

$$\begin{aligned} 6. & -4c + bc + 4 + 6 + b \\ & = bc - 4c + b + 10 \end{aligned}$$

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

$$\begin{aligned} 7. & -1 - v - 1 + 6v - 1 \\ & = 5v - 3 \end{aligned}$$

$$\begin{aligned} 3. & 1 + 6y^2 + 1 + 5y + 6cy \\ & = 6y^2 + 6cy + 5y + 2 \end{aligned}$$

$$\begin{aligned} 8. & 4 + bx + b + x - 1 \\ & = bx + b + x + 3 \end{aligned}$$

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

$$\begin{aligned} 9. & -c^2 - bc + 4c + 6b - bc \\ & = -c^2 - 2bc + 4c + 6b \end{aligned}$$

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

$$\begin{aligned} 10. & 1 + 6 + 3vx + 2x + 1 \\ & = 3vx + 2x + 8 \end{aligned}$$