

Simplifying Expressions (D)

Simplify each expression.

1. $-z + x - 6z + 4x^2$

6. $-1 + z - 3z + 1$

2. $-5b + 6bz + 1 + 4$

7. $2 + 1 + 2y + 2a^2$

3. $u - u^2 + 1 - 5$

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

4. $4 - 5a + 1 - a$

9. $x - x^2 + x^2 + x^2$

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

10. $4cv + 3 + c - 6c$

Simplifying Expressions (D) Answers

Simplify each expression.

$$\begin{aligned} 1. & -z + x - 6z + 4x^2 \\ & = 4x^2 - 7z + x \end{aligned}$$

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

$$\begin{aligned} 2. & -5b + 6bz + 1 + 4 \\ & = 6bz - 5b + 5 \end{aligned}$$

$$\begin{aligned} 7. & 2 + 1 + 2y + 2a^2 \\ & = 2a^2 + 2y + 3 \end{aligned}$$

$$\begin{aligned} 3. & u - u^2 + 1 - 5 \\ & = -u^2 + u - 4 \end{aligned}$$

$$\begin{aligned} 8. & -4 + 2z + 1 + z \\ & = 3z - 3 \end{aligned}$$

$$\begin{aligned} 4. & 4 - 5a + 1 - a \\ & = -6a + 5 \end{aligned}$$

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

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

$$\begin{aligned} 10. & 4cv + 3 + c - 6c \\ & = 4cv - 5c + 3 \end{aligned}$$