

Simplifying Expressions (B)

Simplify each expression.

1. $\frac{y^3}{y^2} + y^2$

6. $-\frac{5b^3}{b} - b^2$

2. $3x - x^2 - 3x$

7. $-v \cdot \frac{60v^3}{-10v^2}$

3. $c + 9c - 10$

8. $-1 + \frac{30z^3}{6z}$

4. $4z^2 + 10z - 5z^2$

9. $-9c + c^2 - 6c$

5. $\frac{3v^2}{3v^2} + 9v$

10. $-\frac{b}{-1} + 2b$

Simplifying Expressions (B) Answers

Simplify each expression.

$$\begin{aligned} 1. \frac{y^3}{y^2} + y^2 \\ = y^2 + y \end{aligned}$$

$$\begin{aligned} 6. -\frac{5b^3}{b} - b^2 \\ = -6b^2 \end{aligned}$$

$$\begin{aligned} 2. 3x - x^2 - 3x \\ = -x^2 \end{aligned}$$

$$\begin{aligned} 7. -v \cdot \frac{60v^3}{-10v^2} \\ = 6v^2 \end{aligned}$$

$$\begin{aligned} 3. c + 9c - 10 \\ = 10c - 10 \end{aligned}$$

$$\begin{aligned} 8. -1 + \frac{30z^3}{6z} \\ = 5z^2 - 1 \end{aligned}$$

$$\begin{aligned} 4. 4z^2 + 10z - 5z^2 \\ = -z^2 + 10z \end{aligned}$$

$$\begin{aligned} 9. -9c + c^2 - 6c \\ = c^2 - 15c \end{aligned}$$

$$\begin{aligned} 5. \frac{3v^2}{3v^2} + 9v \\ = 9v + 1 \end{aligned}$$

$$\begin{aligned} 10. -\frac{b}{-1} + 2b \\ = 3b \end{aligned}$$