

## Simplificar Expresiones (B)

Simplifique cada expresión.

$$1. \frac{9yz}{-1} + \frac{by}{by} + 2v + 2 + 7b - 3vz$$

$$2. bv \cdot (-1) + y^2 \cdot 5b - \frac{av}{-av} - \frac{7}{-7}$$

$$3. 3x + 1 - 6x \cdot (-ax) \cdot (-a^2) + 4x + 9a + x$$

$$4. 10 + u + uv + u + 1 - 5u + u^2 + u$$

$$5. 6y - c^2 + 5y + y + 5z^2 + 5z + x^2 - cy$$

$$6. uz + 10uy - 10yz - 1 - 1 + b + \frac{buy}{bu}$$

$$7. -9 - 10v + 1 - a + a^2 - uv - 6 + 3a^2$$

$$8. -\frac{yz}{-y} \cdot 5xy + \frac{z}{z} \cdot 6 + \frac{4x^2y}{xy}$$

$$9. -9 + vz + x + cz + 9x^2 + 9x \cdot \left( -\frac{3c}{-1} \right)$$

$$10. 5z + 4cu \cdot 2 + \frac{10bz}{b \cdot 10z} + bc + bc$$

## Simplificar Expresiones (B) Respuestas

Simplifique cada expresión.

$$\begin{aligned} 1. \quad & \frac{9yz}{-1} + \frac{by}{by} + 2v + 2 + 7b - 3vz \\ & = -9yz - 3vz + 2v + 7b + 3 \end{aligned}$$

$$\begin{aligned} 2. \quad & bv \cdot (-1) + y^2 \cdot 5b - \frac{av}{-av} - \frac{7}{-7} \\ & = 5by^2 - bv + 2 \end{aligned}$$

$$\begin{aligned} 3. \quad & 3x + 1 - 6x \cdot (-ax) \cdot (-a^2) + 4x + 9a + x \\ & = -6a^3x^2 + 8x + 9a + 1 \end{aligned}$$

$$\begin{aligned} 4. \quad & 10 + u + uv + u + 1 - 5u + u^2 + u \\ & = uv + u^2 - 2u + 11 \end{aligned}$$

$$\begin{aligned} 5. \quad & 6y - c^2 + 5y + y + 5z^2 + 5z + x^2 - cy \\ & = -c^2 + 5z^2 + x^2 - cy + 12y + 5z \end{aligned}$$

$$\begin{aligned} 6. \quad & uz + 10uy - 10yz - 1 - 1 + b + \frac{buy}{bu} \\ & = uz + 10uy - 10yz + b + y - 2 \end{aligned}$$

$$\begin{aligned} 7. \quad & -9 - 10v + 1 - a + a^2 - uv - 6 + 3a^2 \\ & = 4a^2 - uv - 10v - a - 14 \end{aligned}$$

$$\begin{aligned} 8. \quad & -\frac{yz}{-y} \cdot 5xy + \frac{z}{z} \cdot 6 + \frac{4x^2y}{xy} \\ & = 5xyz + 4x + 6 \end{aligned}$$

$$\begin{aligned} 9. \quad & -9 + vz + x + cz + 9x^2 + 9x \cdot \left(-\frac{3c}{-1}\right) \\ & = vz + cz + 9x^2 + 27cx + x - 9 \end{aligned}$$

$$\begin{aligned} 10. \quad & 5z + 4cu \cdot 2 + \frac{10bz}{b \cdot 10z} + bc + bc \\ & = 8cu + 2bc + 5z + 1 \end{aligned}$$