

## Simplificar Expresiones (D)

Simplifique cada expresión.

$$1. -9 - \frac{2bc}{2b} - 6 + bx - \frac{14cu}{2cu} - 5b$$

$$2. -1 - \frac{bu^2}{bu} \cdot (-1) - 1 \cdot 8x \cdot b \cdot 6bx$$

$$3. -u - 1 + a^2 + 6a - u^2 - 5u^2 + u + x$$

$$4. 6u \cdot (-4x) - 7 + 3cx + \frac{30xy^2}{-3y^2} + x + 8cu$$

$$5. \frac{30v}{3} + 1 - \frac{5y^2}{-5y^2} - \frac{vy}{-vy} - 1$$

$$6. \frac{8cvz}{2cv \cdot 4} - \frac{3bv}{bv} - z + c + 5$$

$$7. \frac{uv^2}{-uv} + uv + \frac{14}{-2} + 2 + \frac{40bv^2}{10bv}$$

$$8. -1 \cdot (-az) \cdot yz \cdot 2z + \frac{9ay}{9ay} \cdot z \cdot az$$

$$9. \frac{bu}{bu} - u + 10b \cdot \frac{5x}{5x} - \frac{7x}{7x}$$

$$10. 8bu \cdot 3ux - b \cdot x + \frac{bxz}{b} + \frac{5z}{z}$$

## Simplificar Expresiones (D) Respuestas

Simplifique cada expresión.

$$\begin{aligned} 1. & -9 - \frac{2bc}{2b} - 6 + bx - \frac{14cu}{2cu} - 5b \\ & = bx - c - 5b - 22 \end{aligned}$$

$$\begin{aligned} 2. & -1 - \frac{bu^2}{bu} \cdot (-1) - 1 \cdot 8x \cdot b \cdot 6bx \\ & = -48b^2x^2 + u - 1 \end{aligned}$$

$$\begin{aligned} 3. & -u - 1 + a^2 + 6a - u^2 - 5u^2 + u + x \\ & = a^2 - 6u^2 + 6a + x - 1 \end{aligned}$$

$$\begin{aligned} 4. & 6u \cdot (-4x) - 7 + 3cx + \frac{30xy^2}{-3y^2} + x + 8cu \\ & = -24ux + 3cx + 8cu - 9x - 7 \end{aligned}$$

$$\begin{aligned} 5. & \frac{30v}{3} + 1 - \frac{5y^2}{-5y^2} - \frac{vy}{-vy} - 1 \\ & = 10v + 2 \end{aligned}$$

$$\begin{aligned} 6. & \frac{8cvz}{2cv \cdot 4} - \frac{3bv}{bv} - z + c + 5 \\ & = c + 2 \end{aligned}$$

$$\begin{aligned} 7. & \frac{uv^2}{-uv} + uv + \frac{14}{-2} + 2 + \frac{40bv^2}{10bv} \\ & = uv + 3v - 5 \end{aligned}$$

$$\begin{aligned} 8. & -1 \cdot (-az) \cdot yz \cdot 2z + \frac{9ay}{9ay} \cdot z \cdot az \\ & = 2ayz^3 + az^2 \end{aligned}$$

$$\begin{aligned} 9. & \frac{bu}{bu} - u + 10b \cdot \frac{5x}{5x} - \frac{7x}{7x} \\ & = -u + 10b \end{aligned}$$

$$\begin{aligned} 10. & 8bu \cdot 3ux - b \cdot x + \frac{bxz}{b} + \frac{5z}{z} \\ & = 24bu^2x - bx + xz + 5 \end{aligned}$$