

Simplificar Expresiones (A)

Simplifique cada expresión.

1. $-\frac{10v^2}{-2v^2} + v$

6. $-\frac{2y^4}{-2y^2} + 7$

2. $-6 - 5 + x^2$

7. $8 - 8c^2 - c^2$

3. $-6a^2 - a^2 - 5a$

8. $-4v^2 - \frac{5v^4}{-v^2}$

4. $-10u + 10 \cdot (-u)$

9. $-7y \cdot \frac{24}{4}$

5. $6u^2 + 1 - 5u^2$

10. $-z \cdot z^2 \cdot (-9z)$

Simplificar Expresiones (A) Respuestas

Simplifique cada expresión.

$$\begin{aligned} 1. \quad & -\frac{10v^2}{-2v^2} + v \\ & = v + 5 \end{aligned}$$

$$\begin{aligned} 6. \quad & -\frac{2y^4}{-2y^2} + 7 \\ & = y^2 + 7 \end{aligned}$$

$$\begin{aligned} 2. \quad & -6 - 5 + x^2 \\ & = x^2 - 11 \end{aligned}$$

$$\begin{aligned} 7. \quad & 8 - 8c^2 - c^2 \\ & = -9c^2 + 8 \end{aligned}$$

$$\begin{aligned} 3. \quad & -6a^2 - a^2 - 5a \\ & = -7a^2 - 5a \end{aligned}$$

$$\begin{aligned} 8. \quad & -4v^2 - \frac{5v^4}{-v^2} \\ & = v^2 \end{aligned}$$

$$\begin{aligned} 4. \quad & -10u + 10 \cdot (-u) \\ & = -20u \end{aligned}$$

$$\begin{aligned} 9. \quad & -7y \cdot \frac{24}{4} \\ & = -42y \end{aligned}$$

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

$$\begin{aligned} 10. \quad & -z \cdot z^2 \cdot (-9z) \\ & = 9z^4 \end{aligned}$$

Simplificar Expresiones (B)

Simplifique cada expresión.

1. $1 - c \cdot 3$

6. $-\frac{4x^6}{x^2 \cdot 4x^2}$

2. $-7a^2 - \frac{63a}{7}$

7. $7u^2 + u + 8u$

3. $-7u + u^2 + u$

8. $a^2 \cdot a + a$

4. $-v^2 + \frac{45v^3}{-9v}$

9. $-3u^2 - 8u + u$

5. $b \cdot \left(-\frac{b^3}{-b}\right)$

10. $5a + a^2 + a$

Simplificar Expresiones (B) Respuestas

Simplifique cada expresión.

$$1. \begin{aligned} 1 - c \cdot 3 \\ = -3c + 1 \end{aligned}$$

$$6. \begin{aligned} -\frac{4x^6}{x^2 \cdot 4x^2} \\ = -x^2 \end{aligned}$$

$$2. \begin{aligned} -7a^2 - \frac{63a}{7} \\ = -7a^2 - 9a \end{aligned}$$

$$7. \begin{aligned} 7u^2 + u + 8u \\ = 7u^2 + 9u \end{aligned}$$

$$3. \begin{aligned} -7u + u^2 + u \\ = u^2 - 6u \end{aligned}$$

$$8. \begin{aligned} a^2 \cdot a + a \\ = a^3 + a \end{aligned}$$

$$4. \begin{aligned} -v^2 + \frac{45v^3}{-9v} \\ = -6v^2 \end{aligned}$$

$$9. \begin{aligned} -3u^2 - 8u + u \\ = -3u^2 - 7u \end{aligned}$$

$$5. \begin{aligned} b \cdot \left(-\frac{b^3}{-b} \right) \\ = b^3 \end{aligned}$$

$$10. \begin{aligned} 5a + a^2 + a \\ = a^2 + 6a \end{aligned}$$

Simplificar Expresiones (C)

Simplifique cada expresión.

1. $-x^2 + 10x^2 + 1$

6. $\frac{6x^3}{-2x \cdot 3x}$

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

7. $-v^2 + 3v^2 + 5v$

3. $v^2 \cdot 9 + 9v$

8. $1 + b^2 \cdot 9$

4. $-\frac{20a^2}{2a^2} \cdot (-a)$

9. $\frac{9a^2}{9a} + a$

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

10. $-\frac{12u}{4} + u$

Simplificar Expresiones (C) Respuestas

Simplifique cada expresión.

$$1. -x^2 + 10x^2 + 1 \\ = 9x^2 + 1$$

$$6. \frac{6x^3}{-2x \cdot 3x} \\ = -x$$

$$2. -10z^2 + z - z \\ = -10z^2$$

$$7. -v^2 + 3v^2 + 5v \\ = 2v^2 + 5v$$

$$3. v^2 \cdot 9 + 9v \\ = 9v^2 + 9v$$

$$8. 1 + b^2 \cdot 9 \\ = 9b^2 + 1$$

$$4. -\frac{20a^2}{2a^2} \cdot (-a) \\ = 10a$$

$$9. \frac{9a^2}{9a} + a \\ = 2a$$

$$5. -5u + u - 5u^2 \\ = -5u^2 - 4u$$

$$10. -\frac{12u}{4} + u \\ = -2u$$

Simplificar Expresiones (D)

Simplifique cada expresión.

1. $\frac{7b^2}{-b} - 3b$

6. $u \cdot 9u \cdot 6$

2. $-z + 8 + 1$

7. $-3z - \frac{z^3}{-z}$

3. $10c^2 - \frac{9c^3}{-3c^2}$

8. $-v - 10v + 1$

4. $-\frac{36b}{6b} \cdot 10b$

9. $-\frac{2}{-2} + a$

5. $-5a \cdot 4 - 6a$

10. $8u^2 - \frac{5u}{-5}$

Simplificar Expresiones (D) Respuestas

Simplifique cada expresión.

$$\begin{aligned} 1. \quad & \frac{7b^2}{-b} - 3b \\ & = -10b \end{aligned}$$

$$\begin{aligned} 6. \quad & u \cdot 9u \cdot 6 \\ & = 54u^2 \end{aligned}$$

$$\begin{aligned} 2. \quad & -z + 8 + 1 \\ & = -z + 9 \end{aligned}$$

$$\begin{aligned} 7. \quad & -3z - \frac{z^3}{-z} \\ & = z^2 - 3z \end{aligned}$$

$$\begin{aligned} 3. \quad & 10c^2 - \frac{9c^3}{-3c^2} \\ & = 10c^2 + 3c \end{aligned}$$

$$\begin{aligned} 8. \quad & -v - 10v + 1 \\ & = -11v + 1 \end{aligned}$$

$$\begin{aligned} 4. \quad & -\frac{36b}{6b} \cdot 10b \\ & = -60b \end{aligned}$$

$$\begin{aligned} 9. \quad & -\frac{2}{-2} + a \\ & = a + 1 \end{aligned}$$

$$\begin{aligned} 5. \quad & -5a \cdot 4 - 6a \\ & = -26a \end{aligned}$$

$$\begin{aligned} 10. \quad & 8u^2 - \frac{5u}{-5} \\ & = 8u^2 + u \end{aligned}$$

Simplificar Expresiones (E)

Simplifique cada expresión.

1. $u^2 + \frac{5u^2}{5u^2}$

6. $\frac{3}{3} + 7y^2$

2. $x^2 \cdot (-9x^2) - 1$

7. $1 + x - 9$

3. $2x^2 - 10 - x^2$

8. $3 \cdot y \cdot (-2y)$

4. $v - v - 8v^2$

9. $a + 7a^2 + a^2$

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

10. $1 + 1 - c^2$

Simplificar Expresiones (E) Respuestas

Simplifique cada expresión.

$$\begin{aligned} 1. \quad u^2 + \frac{5u^2}{5u^2} \\ = u^2 + 1 \end{aligned}$$

$$\begin{aligned} 6. \quad \frac{3}{3} + 7y^2 \\ = 7y^2 + 1 \end{aligned}$$

$$\begin{aligned} 2. \quad x^2 \cdot (-9x^2) - 1 \\ = -9x^4 - 1 \end{aligned}$$

$$\begin{aligned} 7. \quad 1 + x - 9 \\ = x - 8 \end{aligned}$$

$$\begin{aligned} 3. \quad 2x^2 - 10 - x^2 \\ = x^2 - 10 \end{aligned}$$

$$\begin{aligned} 8. \quad 3 \cdot y \cdot (-2y) \\ = -6y^2 \end{aligned}$$

$$\begin{aligned} 4. \quad v - v - 8v^2 \\ = -8v^2 \end{aligned}$$

$$\begin{aligned} 9. \quad a + 7a^2 + a^2 \\ = 8a^2 + a \end{aligned}$$

$$\begin{aligned} 5. \quad -b^2 - \frac{b}{b} \\ = -b^2 - 1 \end{aligned}$$

$$\begin{aligned} 10. \quad 1 + 1 - c^2 \\ = -c^2 + 2 \end{aligned}$$

Simplificar Expresiones (F)

Simplifique cada expresión.

1. $c - 1 \cdot (-8c^2)$

6. $-y \cdot (-7y) \cdot 3$

2. $b^2 + \frac{8b^2}{b^2}$

7. $-\frac{v}{-1} \cdot 9v$

3. $a + 9a - a^2$

8. $9u^2 \cdot u \cdot 3$

4. $\frac{3u^2}{3 \cdot (-u)}$

9. $\frac{5c^2}{c^2} + c^2$

5. $4z - \frac{7z^2}{z^2}$

10. $-\frac{12a^2}{4} + 4$

Simplificar Expresiones (F) Respuestas

Simplifique cada expresión.

$$\begin{aligned} 1. \quad & c - 1 \cdot (-8c^2) \\ & = 8c^2 + c \end{aligned}$$

$$\begin{aligned} 6. \quad & -y \cdot (-7y) \cdot 3 \\ & = 21y^2 \end{aligned}$$

$$\begin{aligned} 2. \quad & b^2 + \frac{8b^2}{b^2} \\ & = b^2 + 8 \end{aligned}$$

$$\begin{aligned} 7. \quad & -\frac{v}{-1} \cdot 9v \\ & = 9v^2 \end{aligned}$$

$$\begin{aligned} 3. \quad & a + 9a - a^2 \\ & = -a^2 + 10a \end{aligned}$$

$$\begin{aligned} 8. \quad & 9u^2 \cdot u \cdot 3 \\ & = 27u^3 \end{aligned}$$

$$\begin{aligned} 4. \quad & \frac{3u^2}{3 \cdot (-u)} \\ & = -u \end{aligned}$$

$$\begin{aligned} 9. \quad & \frac{5c^2}{c^2} + c^2 \\ & = c^2 + 5 \end{aligned}$$

$$\begin{aligned} 5. \quad & 4z - \frac{7z^2}{z^2} \\ & = 4z - 7 \end{aligned}$$

$$\begin{aligned} 10. \quad & -\frac{12a^2}{4} + 4 \\ & = -3a^2 + 4 \end{aligned}$$

Simplificar Expresiones (G)

Simplifique cada expresión.

1. $u^2 \cdot (-u^2) \cdot (-u)$

6. $2 + \frac{9y^3}{y}$

2. $y + y + 1$

7. $9y \cdot 6y + 3y$

3. $-\frac{27c^4}{9c^2} - c^2$

8. $10z - 1 + 7$

4. $-7u^2 - \frac{u^3}{u^2}$

9. $-y^2 + 3y^2 + 3y$

5. $c \cdot c \cdot c$

10. $-\frac{3z^3}{-z} + z^2$

Simplificar Expresiones (G) Respuestas

Simplifique cada expresión.

$$1. u^2 \cdot (-u^2) \cdot (-u) \\ = u^5$$

$$6. 2 + \frac{9y^3}{y} \\ = 9y^2 + 2$$

$$2. y + y + 1 \\ = 2y + 1$$

$$7. 9y \cdot 6y + 3y \\ = 54y^2 + 3y$$

$$3. -\frac{27c^4}{9c^2} - c^2 \\ = -4c^2$$

$$8. 10z - 1 + 7 \\ = 10z + 6$$

$$4. -7u^2 - \frac{u^3}{u^2} \\ = -7u^2 - u$$

$$9. -y^2 + 3y^2 + 3y \\ = 2y^2 + 3y$$

$$5. c \cdot c \cdot c \\ = c^3$$

$$10. -\frac{3z^3}{-z} + z^2 \\ = 4z^2$$

Simplificar Expresiones (H)

Simplifique cada expresión.

1. $-\frac{b^4}{b^2} + 5b$

6. $2u^2 + 1 + 1$

2. $-v^2 - v^2 - 9v$

7. $\frac{3v}{-1} \cdot 5v^2$

3. $-\frac{x^3}{-x^2} \cdot x$

8. $v^2 + 3v^2 + 3v^2$

4. $b + b + 9b^2$

9. $-u + 5u + u^2$

5. $10 + a + 1$

10. $8x \cdot 6x^2 \cdot 9x^2$

Simplificar Expresiones (H) Respuestas

Simplifique cada expresión.

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

$$\begin{aligned} 6. & 2u^2 + 1 + 1 \\ & = 2u^2 + 2 \end{aligned}$$

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

$$\begin{aligned} 7. & \frac{3v}{-1} \cdot 5v^2 \\ & = -15v^3 \end{aligned}$$

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

$$\begin{aligned} 8. & v^2 + 3v^2 + 3v^2 \\ & = 7v^2 \end{aligned}$$

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

$$\begin{aligned} 9. & -u + 5u + u^2 \\ & = u^2 + 4u \end{aligned}$$

$$\begin{aligned} 5. & 10 + a + 1 \\ & = a + 11 \end{aligned}$$

$$\begin{aligned} 10. & 8x \cdot 6x^2 \cdot 9x^2 \\ & = 432x^5 \end{aligned}$$

Simplificar Expresiones (I)

Simplifique cada expresión.

1. $-9b + 6 + b$

6. $-\frac{b^2}{-1} \cdot (-1)$

2. $\frac{6x^2}{6x} + x$

7. $-5v + 7 - 2$

3. $7v^2 + \frac{24v^2}{6}$

8. $4a^2 + 1 + 1$

4. $8 + x + 1$

9. $z^2 + \frac{8z^3}{8z^2}$

5. $\frac{3b}{3} + 1$

10. $\frac{6b^3}{-6b^2 \cdot (-1)}$

Simplificar Expresiones (I) Respuestas

Simplifique cada expresión.

$$\begin{aligned} 1. & -9b + 6 + b \\ & = -8b + 6 \end{aligned}$$

$$\begin{aligned} 6. & -\frac{b^2}{-1} \cdot (-1) \\ & = -b^2 \end{aligned}$$

$$\begin{aligned} 2. & \frac{6x^2}{6x} + x \\ & = 2x \end{aligned}$$

$$\begin{aligned} 7. & -5v + 7 - 2 \\ & = -5v + 5 \end{aligned}$$

$$\begin{aligned} 3. & 7v^2 + \frac{24v^2}{6} \\ & = 11v^2 \end{aligned}$$

$$\begin{aligned} 8. & 4a^2 + 1 + 1 \\ & = 4a^2 + 2 \end{aligned}$$

$$\begin{aligned} 4. & 8 + x + 1 \\ & = x + 9 \end{aligned}$$

$$\begin{aligned} 9. & z^2 + \frac{8z^3}{8z^2} \\ & = z^2 + z \end{aligned}$$

$$\begin{aligned} 5. & \frac{3b}{3} + 1 \\ & = b + 1 \end{aligned}$$

$$\begin{aligned} 10. & \frac{6b^3}{-6b^2 \cdot (-1)} \\ & = b \end{aligned}$$

Simplificar Expresiones (J)

Simplifique cada expresión.

1. $-4 + 4 - 7x^2$

6. $-\frac{9x}{-9x} - x$

2. $1 + \frac{25b^3}{-5b^2}$

7. $-1 + \frac{6v}{6}$

3. $1 - y - 9$

8. $-1 + 1 + x$

4. $-\frac{a^3}{-a^2} - 3$

9. $b^2 \cdot b \cdot b$

5. $1 + u^2 + 2$

10. $7y^2 - \frac{10y^3}{-10y}$

Simplificar Expresiones (J) Respuestas

Simplifique cada expresión.

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

$$\begin{aligned} 6. & -\frac{9x}{-9x} - x \\ & = -x + 1 \end{aligned}$$

$$\begin{aligned} 2. & 1 + \frac{25b^3}{-5b^2} \\ & = -5b + 1 \end{aligned}$$

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

$$\begin{aligned} 3. & 1 - y - 9 \\ & = -y - 8 \end{aligned}$$

$$\begin{aligned} 8. & -1 + 1 + x \\ & = x \end{aligned}$$

$$\begin{aligned} 4. & -\frac{a^3}{-a^2} - 3 \\ & = a - 3 \end{aligned}$$

$$\begin{aligned} 9. & b^2 \cdot b \cdot b \\ & = b^4 \end{aligned}$$

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

$$\begin{aligned} 10. & 7y^2 - \frac{10y^3}{-10y} \\ & = 8y^2 \end{aligned}$$