

Simplificar Expresiones Lineales (A)

Simplifique cada expresión combinando términos semejantes.

1. $-2 + 7m - 7m + 5m$

2. $9 + 4 + 5c - 3c$

3. $-9g - 3 + 6 + g$

4. $-4w + 3 + 6w + 7$

5. $3 + 8s + 7s - 8$

6. $f - 9 + 6f - 6$

7. $2 + p - p + 4$

8. $-1 + 8 + 2b + 2$

9. $-9b + 6 - 9 + 8$

10. $6 - 6z + 2 + z$

Simplificar Expresiones Lineales (A) Respuestas

Simplifique cada expresión combinando términos semejantes.

$$\begin{aligned} 1. & -2 + 7m - 7m + 5m \\ & = 5m - 2 \end{aligned}$$

$$\begin{aligned} 2. & 9 + 4 + 5c - 3c \\ & = 2c + 13 \end{aligned}$$

$$\begin{aligned} 3. & -9g - 3 + 6 + g \\ & = -8g + 3 \end{aligned}$$

$$\begin{aligned} 4. & -4w + 3 + 6w + 7 \\ & = 2w + 10 \end{aligned}$$

$$\begin{aligned} 5. & 3 + 8s + 7s - 8 \\ & = 15s - 5 \end{aligned}$$

$$\begin{aligned} 6. & f - 9 + 6f - 6 \\ & = 7f - 15 \end{aligned}$$

$$\begin{aligned} 7. & 2 + p - p + 4 \\ & = 6 \end{aligned}$$

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

$$\begin{aligned} 9. & -9b + 6 - 9 + 8 \\ & = -9b + 5 \end{aligned}$$

$$\begin{aligned} 10. & 6 - 6z + 2 + z \\ & = -5z + 8 \end{aligned}$$

Propiedad Distributiva (E)

Use la propiedad distributiva para simplificar cada expresión.

$$-5d(-2 - 6d)$$

$$7x(-1 + 9x)$$

$$7w(-6w - 9)$$

$$-2c(-6 - 6c)$$

$$-5n(3n + 5)$$

$$-6f(f + 7)$$

$$-4q(-7q + 2)$$

$$-3f(-9 + f)$$

$$6r(2r - 7)$$

$$8x(1 - 8x)$$

$$-d(d + 8)$$

$$5a(7 - 3a)$$

$$3c(-5 + 5c)$$

$$3j(-7j - 4)$$

$$-9m(-3 + 8m)$$

$$4a(7a - 4)$$

$$8c(-7c + 6)$$

$$-6b(-2 - 7b)$$

$$f(-5 - 6f)$$

$$3k(-5k - 9)$$

Propiedad Distributiva (E) Respuestas

Use la propiedad distributiva para simplificar cada expresión.

$$\begin{aligned} &-5d(-2 - 6d) \\ &30d^2 + 10d \end{aligned}$$

$$\begin{aligned} &7x(-1 + 9x) \\ &63x^2 - 7x \end{aligned}$$

$$\begin{aligned} &7w(-6w - 9) \\ &-42w^2 - 63w \end{aligned}$$

$$\begin{aligned} &-2c(-6 - 6c) \\ &12c^2 + 12c \end{aligned}$$

$$\begin{aligned} &-5n(3n + 5) \\ &-15n^2 - 25n \end{aligned}$$

$$\begin{aligned} &-6f(f + 7) \\ &-6f^2 - 42f \end{aligned}$$

$$\begin{aligned} &-4q(-7q + 2) \\ &28q^2 - 8q \end{aligned}$$

$$\begin{aligned} &-3f(-9 + f) \\ &-3f^2 + 27f \end{aligned}$$

$$\begin{aligned} &6r(2r - 7) \\ &12r^2 - 42r \end{aligned}$$

$$\begin{aligned} &8x(1 - 8x) \\ &-64x^2 + 8x \end{aligned}$$

$$\begin{aligned} &-d(d + 8) \\ &-1d^2 - 8d \end{aligned}$$

$$\begin{aligned} &5a(7 - 3a) \\ &-15a^2 + 35a \end{aligned}$$

$$\begin{aligned} &3c(-5 + 5c) \\ &15c^2 - 15c \end{aligned}$$

$$\begin{aligned} &3j(-7j - 4) \\ &-21j^2 - 12j \end{aligned}$$

$$\begin{aligned} &-9m(-3 + 8m) \\ &-72m^2 + 27m \end{aligned}$$

$$\begin{aligned} &4a(7a - 4) \\ &28a^2 - 16a \end{aligned}$$

$$\begin{aligned} &8c(-7c + 6) \\ &-56c^2 + 48c \end{aligned}$$

$$\begin{aligned} &-6b(-2 - 7b) \\ &42b^2 + 12b \end{aligned}$$

$$\begin{aligned} &f(-5 - 6f) \\ &-6f^2 - 5f \end{aligned}$$

$$\begin{aligned} &3k(-5k - 9) \\ &-15k^2 - 27k \end{aligned}$$

Simplificar Expresiones (A)

Simplifique cada expresión.

1. $8a^2 - 2 + 5 + 10a + 9 + 7$

6. $7 + 5v - 1 + 4v - 10a + 1$

2. $v^2 + uv + 4 + u + 10u + 6$

7. $2 - b^2 + b - 3y^2 - by + by$

3. $b^2 + b - 1 - 8 + 2 + 7b$

8. $ax + 4a + a + 4x^2 + 6ax - 5$

4. $9u + 6u + 1 - 7b^2 - 3b + 8b$

9. $vx - 5 - vx + v + x + 8$

5. $-10 + 1 - 9x + 6 - 8xz + x$

10. $-y + 9c + 9 + 10c + 9 - 1$

Simplificar Expresiones (A) Respuestas

Simplifique cada expresión.

$$\begin{aligned} 1. \quad & 8a^2 - 2 + 5 + 10a + 9 + 7 \\ & = 8a^2 + 10a + 19 \end{aligned}$$

$$\begin{aligned} 6. \quad & 7 + 5v - 1 + 4v - 10a + 1 \\ & = 9v - 10a + 7 \end{aligned}$$

$$\begin{aligned} 2. \quad & v^2 + uv + 4 + u + 10u + 6 \\ & = v^2 + uv + 11u + 10 \end{aligned}$$

$$\begin{aligned} 7. \quad & 2 - b^2 + b - 3y^2 - by + by \\ & = -b^2 - 3y^2 + b + 2 \end{aligned}$$

$$\begin{aligned} 3. \quad & b^2 + b - 1 - 8 + 2 + 7b \\ & = b^2 + 8b - 7 \end{aligned}$$

$$\begin{aligned} 8. \quad & ax + 4a + a + 4x^2 + 6ax - 5 \\ & = 7ax + 4x^2 + 5a - 5 \end{aligned}$$

$$\begin{aligned} 4. \quad & 9u + 6u + 1 - 7b^2 - 3b + 8b \\ & = -7b^2 + 15u + 5b + 1 \end{aligned}$$

$$\begin{aligned} 9. \quad & vx - 5 - vx + v + x + 8 \\ & = v + x + 3 \end{aligned}$$

$$\begin{aligned} 5. \quad & -10 + 1 - 9x + 6 - 8xz + x \\ & = -8xz - 8x - 3 \end{aligned}$$

$$\begin{aligned} 10. \quad & -y + 9c + 9 + 10c + 9 - 1 \\ & = -y + 19c + 17 \end{aligned}$$

Simplificar Expresiones (B)

Simplifique cada expresión.

1. $v^2 + 10v^2 - 4vz - 5z - 1 + 7$

6. $9 + 9 - c + 10 + bc + 5b^2$

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

7. $9u + u + 8u - u + 1 + 10u^2$

3. $y + 3y + 3y + 1 + 10y^2 - 10y$

8. $4a + 6b^2 - 3ab + a + 5b + a^2$

4. $y^2 + 1 + 7a^2 - 9ay + 2a^2 + a$

9. $-x^2 + x - 1 + 10x^2 + 4b^2 + 10bx$

5. $-u + 6u^2 - 3 + u - 6u^2 - u$

10. $-1 - v - 1 + 1 + 1 + 1$

Simplificar Expresiones (B) Respuestas

Simplifique cada expresión.

$$\begin{aligned} 1. \quad & v^2 + 10v^2 - 4vz - 5z - 1 + 7 \\ & = 11v^2 - 4vz - 5z + 6 \end{aligned}$$

$$\begin{aligned} 6. \quad & 9 + 9 - c + 10 + bc + 5b^2 \\ & = bc + 5b^2 - c + 28 \end{aligned}$$

$$\begin{aligned} 2. \quad & -1 + 8 + 2 + c + 1 + 4 \\ & = c + 14 \end{aligned}$$

$$\begin{aligned} 7. \quad & 9u + u + 8u - u + 1 + 10u^2 \\ & = 10u^2 + 17u + 1 \end{aligned}$$

$$\begin{aligned} 3. \quad & y + 3y + 3y + 1 + 10y^2 - 10y \\ & = 10y^2 - 3y + 1 \end{aligned}$$

$$\begin{aligned} 8. \quad & 4a + 6b^2 - 3ab + a + 5b + a^2 \\ & = 6b^2 - 3ab + a^2 + 5a + 5b \end{aligned}$$

$$\begin{aligned} 4. \quad & y^2 + 1 + 7a^2 - 9ay + 2a^2 + a \\ & = y^2 + 9a^2 - 9ay + a + 1 \end{aligned}$$

$$\begin{aligned} 9. \quad & -x^2 + x - 1 + 10x^2 + 4b^2 + 10bx \\ & = 9x^2 + 4b^2 + 10bx + x - 1 \end{aligned}$$

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

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