

EJERCICIO 34

1. $x + 2y + (x - y)$

$$= x - [-2y - (x - y)]$$

2. $4m - 2n + 3 - (-m + n) + (2m - n)$

$$= 4m - [2n - 3 + (-m + n) - (2m - n)]$$

3. $x^2 - 3xy + [(x^2 - xy) + y^2]$

$$= x^2 - \{3xy - [(x^2 - xy) + y^2]\}$$

4. $x^3 - 3x^2 + [-4x + 2] - 3x - (2x + 3)$

$$= x^3 - [3x^2 - [-4x + 2] + 3x + (2x + 3)]$$

5. $2a + 3b - \{-2a + [a + (b - a)]\}$

$$= 2a - [-3b + \{-2a + [a + (b - a)]\}]$$

6. $-2a + (-3a + b)$

$$= -[2a - (-3a + b)]$$

7. $2x^2 + 3xy - (y^2 + xy) + (-x^2 + y^2)$

$$= -[-2x^2 - 3xy + (y^2 + xy) - (-x^2 + y^2)]$$

8. $x^3 - [-3x^2 + 4x - 2]$

$$= -\{x^3 + [-3x^2 + 4x - 2]\}$$

9. $[m^4 - (3m^2 + 2m + 3)] + (-2m + 3)$

$$= -\{-[m^4 - (3m^2 + 2m + 3)] - (-2m + 3)\}$$

EJERCICIO 35

1. $2 \cdot -3 = -6$

2. $-4 - 8 = 32$

3. $-15 \cdot 16 = -240$

4. $ab \cdot -ab = -a^{1+1}b^{1+1} = -a^2b^2$

5. $2x^2 \cdot -3x = -6x^{2+1} = -6x^3$

6. $-4a^2b \cdot -ab^2 = 4a^{2+1}b^{1+2} = 4a^3b^3$

7. $-5x^3y \cdot xy^2 = -5x^{3+1}y^{1+2} = -5x^4y^3$

8. $a^2b^3 \cdot 3a^2x = 3a^{2+2}b^3x = 3a^4b^3x$

9. $-4m^2 \cdot -5mn^2p = 20m^{2+1}n^2p = 20m^3n^2p$

10. $5a^2y \cdot -6x^2 = -30a^2x^2y$

11. $-x^2y^3 \cdot -4y^3z^4 = 4x^2y^{3+3}z^4 = 4x^2y^6z^4$

12. $abc \cdot cd = abc^{1+1}d = abc^2d$

13. $-15x^4y^3 \cdot -16a^2x^3 = 240a^2x^{4+3}y^3 = 240a^2x^7y^3$

14. $3a^2b^3 \cdot -4x^2y = -12a^2b^3x^2y$

15. $3a^2bx \cdot 7b^3x^5 = 21a^2b^{1+3}x^{1+5} = 21a^2b^4x^6$

16. $-8m^2n^3 \cdot -9a^2mx^4 = 72a^2m^{2+1}n^3x^4 = 72a^2m^3n^3x^4$

17. $a^m b^n \cdot -ab = -a^{m+1}b^{n+1}$

18. $-5a^m b^n \cdot -6a^2 b^3 x = 30a^{m+2}b^{n+3}x$

19. $x^m y^n c \cdot -x^m y^n c^x = -x^{m+m}y^{n+n}c^{1+x} = -x^{2m}y^{2n}c^{1+x}$

20. $-m^x n^3 \cdot -6m^2 n = 6m^{x+2}n^{3+1}$

EJERCICIO 36

1. $a^m \cdot a^{m+1} = a^{m+m+1} = a^{2m+1}$

2. $-x^a \cdot -x^{a+2} = x^{a+a+2} = x^{2a+2}$

3. $4a^n b^x \cdot -ab^{x+1} = -4a^{n+1}b^{x+x+1} = -4a^{n+1}b^{2x+1}$

4. $-a^{n+1}b^{n+2} \cdot a^{n+2}b^n = -a^{n+1+n+2}b^{n+2+n} = -a^{2n+3}b^{2n+2}$

5. $-3a^{n+4}b^{n+1} \cdot -4a^{n+2}b^{n+3} = 12a^{2n+6}b^{2n+4}$

6. $3x^2y^3 \cdot 4x^{m+1}y^{m+2} = 12x^{2+m+1}y^{3+m+2} = 12x^{m+3}y^{m+5}$

7. $4x^{a+2}b^{a+4} \cdot -5x^{a+5}b^{a+1} = -20x^{2a+7}b^{2a+5}$

8. $a^m b^n c \cdot -a^m b^{2n} = -a^{m+m}b^{n+2n}c = -a^{2m}b^{3n}c$

9. $-x^{m+1}y^{a+2} \cdot -4x^{m-3}y^{a-5}c^2 = 4x^{2m-2}y^{2a-3}c^2$

10. $-5m^a n^b \cdot -7m^{2a-3}n^{b-4} = 35m^{3a-3}n^{2b-5}c$



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