

1º A MATEMÁTICAS . SOLUCIONES AL BOLETÍN 4

⑧ $3x \cdot 2x = 6x^2$
 $2x^7 \cdot 4 = 8x^7$
 $\frac{3}{2}x^3 \cdot 5x^2 = \frac{15}{2}x^5$

$2x^2 \cdot 3x = 6x^3$
 $8x \cdot 3x^5 = 24x^6$
 $\frac{4}{3}x \cdot \frac{2}{5}x^4 = \frac{8}{15}x^5$

$5x^4 \cdot 4x^2 = 20x^6$
 $x \cdot 6 = 6x$
 $5x \cdot \frac{2}{7} = \frac{10x}{7}$

⑨ $3x + 2x = 5x$
 $8x + 9x = 17x$
 $6x + 2x + 5x = 13x$
 $6x - 3x = 3x$
 $5x - 8x = -3x$
 $4x^2 - 9x^2 = -5x^2$
 $3x + 6x - 4x = 5x$
 $2x^2 \cdot 5x^3 = 10x^5$
 $4a^2 \cdot 5a^3 = 20a^5$
 $12x^4 : 3x = 4x^3$
 $6a^6 : 2a^2 = 3a^4$
 $4x + 7x = 11x$
 $4x + 10x = 14x$
 $9x + 3x + 6x = 18x$
 $7x - 3x = 4x$
 $5x - 9x = -4x$
 $8x^2 - 12x^2 = -4x^2$
 $4x + 5x - 6x = 3x$
 $4x^2 \cdot 5x^3 = 20x^5$

$4x + x = 5x$
 $3x^2 + 2x^2 = 5x^2$
 $3x + 2x + x = 6x$
 $8x - 5x = 3x$
 $9x - 6x = 3x$
 $7x^2 - 10x^2 = -3x^2$
 $2x - 5x - 4x = -7x$
 $3x \cdot 4x^2 = 12x^3$
 $3a^4 \cdot 6a^2 = 18a^6$
 $20x^8 : 2x^6 = 10x^2$
 $8b^5 : 4b = 2b^4$
 $9x + x = 10x$
 $12x^2 + 4x^2 = 16x^2$
 $x + 5x + 5x = 11x$
 $9x - 4x = 5x$
 $12x - 4x = 8x$
 $7x^2 - 14x^2 = -7x^2$
 $2x - 7x - 9x = -14x$
 $2x \cdot 6x^2 = 12x^3$

$5x + 6x = 11x$
 $5x^2 + 4x^2 = 9x^2$
 $4x + 8x + 2x = 14x$
 $11x - x = 10x$
 $3x - 5x = -2x$
 $x^2 - 5x^2 = -4x^2$
 $x - 3x - 4x = -6x$
 $5x \cdot 3x^4 = 15x^5$
 $2b^6 \cdot 3b^4 = 6b^{10}$
 $16x^7 : 8x^5 = 2x^2$
 $10c^8 : 5c^5 = 2c^3$
 $2x + 7x = 9x$
 $4x^2 + 5x^2 = 9x^2$
 $3x + 5x + 6x = 14x$
 $10x - x = 9x$
 $3x - 7x = -4x$
 $x^2 - 7x^2 = -6x^2$
 $x - 2x - 5x = -6x$
 $3x \cdot 3x^5 = 9x^6$

10) a) $-2+x=7$
 $x=7+2$
 $x=9$

b) $3x=21$
 $x=\frac{21}{3}$
 $x=7$

c) $x-10=4$
 $x=4+10$
 $x=14$

d) $x+2=0$
 $x=-2$

e) $4x=-36$
 $x=\frac{-36}{4}$
 $x=-9$

f) $9x+8=7x+6$
 $9x-7x=6-8$
 $2x=-2$
 $x=\frac{-2}{2}$
 $x=-1$

g) $4x+3=3x+5$
 $4x-3x=5-3$
 $x=2$

h) $2x-34=-20$
 $2x=-20+34$
 $2x=14$
 $x=\frac{14}{2}$
 $x=7$

i) $6x+6=4+8x$
 $6x-8x=4-6$
 $-2x=-2$
 $x=\frac{-2}{-2}$
 $x=1$

j) $9+9x=17+5x$
 $9x-5x=17-9$
 $4x=8$
 $x=\frac{8}{4}$
 $x=2$

k) $x+1=2x-7$
 $x-2x=-7-1$
 $-1x=-8$
 $x=\frac{-8}{-1}$
 $x=8$

l) $7x+9=3+9x$
 $7x-9x=3-9$
 $-2x=-6$
 $x=\frac{-6}{-2}$
 $x=3$

m) $x-9=-11$
 $x=-11+9$
 $x=-2$

n) $x-8=2x-11$
 $x-2x=-11+8$
 $-1x=-3$
 $x=\frac{-3}{-1}$
 $x=3$

o) $30-9x=-7x+21$
 $-9x+7x=21-30$
 $-2x=-9$
 $x=\frac{-9}{-2}$
 $x=\frac{9}{2}$

p) $-4x+3-2x-1=-x-7$
 $-4x-2x+x=-7+1-3$
 $-5x=-9$
 $x=\frac{-9}{-5}$
 $x=\frac{9}{5}$

NOTA $\frac{-a}{-b} = +\frac{a}{b}$