

exercice 2.

$$* E = (4x+3)(5x+2)$$

$$E = 4x \times 5x + 4x \times 2 + 3 \times 5x + 3 \times 2$$

$$E = 20x^2 + 8x + 15x + 6$$

$$E = 20x^2 + 23x + 6$$

$$* F = (3x-4)(7x+5)$$

x	7x	+5
3x	21x ²	+15x
-4	-28x	-20

$$F = 21x^2 - 13x - 20$$

$$* G = (7-5x)(8x-1)$$

x	8x	-1
7	56x	-7
-5x	-40x ²	+5x

$$G = -40x^2 + 61x - 7$$

$$* H = (2x+3)(x+1) + (5x-3)$$

$$H = 2x \times x + 2x \times 1 + 3 \times x + 3 \times 1 + 5x - 3$$

$$H = 2x^2 + 2x + 3x + 3 + 5x - 3$$

$$H = 2x^2 + 10x$$

$$* I = (y-6)(4y-11) - (1-35y)$$

x	4y	-11
y	4y ²	-11y
-6	-24y	+66

$$I = 4y^2 - 35y + 66 - 1 + 35y$$

$$I = 4y^2 + 65$$