

**Correction de la fiche sur les IR (identités remarquables)**

$(7x+8)^2 = (7x)^2 + 2 \times 7x \times 8 + 8^2$ $= 49x^2 + 112x + 64$	$(4x-7)^2 = (4x)^2 - 2 \times 4x \times 7 + 7^2$ $= 16x^2 - 56x + 49$	$(x-3)(x+3) = x^2 - 3^2 = x^2 - 9$
$(4x+2)^2 = (4x)^2 + 2 \times 4x \times 2 + 2^2$ $= 16x^2 + 16x + 4$	$(6x-1)^2 = (6x)^2 - 2 \times 6x \times 1 + 1^2$ $= 36x^2 - 12x + 1$	$(9x-4)(9x+4) = (9x)^2 - 4^2 = 81x^2 - 16$
$(x+1)^2 = x^2 + 2 \times x \times 1 + 1^2$ $= x^2 + 2x + 1$	$(5x-9)^2 = (5x)^2 - 2 \times 5x \times 9 + 9^2$ $= 25x^2 - 90x + 81$	$(6x+5)(6x-5) = (6x)^2 - 5^2 = 36x^2 - 25$
$(9+5x)^2 = 9^2 + 2 \times 9 \times 5x + (5x)^2$ $= 81 + 90x + 25x^2$	$(4x-7)^2 = (4x)^2 - 2 \times 4x \times 7 + 7^2$ $= 16x^2 - 56x + 49$	$(2+x)(2-x) = 2^2 - x^2 = 4 - x^2$