

**IDENTITES REMARQUABLES : NIVEAU B : DEVELOPPEMENTS**

B1	$2(3x - 4)^2$
B2	$-(x + 7)^2$
B3	$-10(2x - 9)(2x + 9)$
B4	$7(3x - 1)^2$
B5	$(x + 3)^2 + (2x + 7)^2$

B6	$-2(3x - 1)^2$
B7	$-(2x - 1)^2$
B8	$-(x + 11)^2$
B9	$7(3x + 4)(3x - 4)$
B10	$-4(5x + 2)^2$

B11	$(2x - 7)^2 + (x + 7)(x - 7)$
B12	$-(3x - 8)(3x + 8)$
B13	$-2(7 - 4x)^2$
B14	$-4(3 + 2x)^2$
B15	$(2x + 3)^2 + (x - 1)^2$

B16	$(2x - 11)^2 + (2x - 3)(2x + 3)$
B17	$-(2x - 7)^2$
B18	$-3(10x + 3)^2$
B19	$5(10x - 1)(10x + 1)$
B20	$-6(7 + 3x)^2$

**REPONSES : IDENTITES REMARQUABLES : NIVEAU B : DEVELOPPEMENTS**

B1	$2(3x - 4)^2 = 2(9x^2 - 24x + 16) = 18x^2 - 48x + 32$
B2	$-(x + 7)^2 = -(x^2 + 14x + 49) = -x^2 - 14x - 49$
B3	$-10(2x - 9)(2x + 9) = -10(4x^2 - 81) = -40x^2 + 810$
B4	$7(3x - 1)^2 = 7(9x^2 - 6x + 1) = 63x^2 - 42x + 7$
B5	$(x + 3)^2 + (2x + 7)^2 = (x^2 + 6x + 9) + (4x^2 + 28x + 49) = 5x^2 + 34x + 58$

B6	$-2(3x - 1)^2 = -2(9x^2 - 6x + 1) = -18x^2 + 12x - 2$
B7	$-(2x - 1)^2 = -(4x^2 - 4x + 1) = -4x^2 + 4x - 1$
B8	$-(x + 11)^2 = -(x^2 + 22x + 121) = -x^2 - 22x - 121$
B9	$7(3x + 4)(3x - 4) = 7(9x^2 - 16) = 63x^2 - 112$
B10	$-4(5x + 2)^2 = -4(25x^2 + 20x + 4) = -100x^2 - 80x - 16$

B11	$(2x - 7)^2 + (x + 7)(x - 7) = 4x^2 - 28x + 49 + x^2 - 49 = 5x^2 - 28x$
B12	$-(3x - 8)(3x + 8) = -(9x^2 - 64) = -9x^2 + 64$
B13	$-2(7 - 4x)^2 = -2(49 - 56x + 16x^2) = -98 + 112x - 32x^2$
B14	$-4(3 + 2x)^2 = -4(9 + 12x + 4x^2) = -36 - 48x - 16x^2$
B15	$(2x + 3)^2 + (x - 1)^2 = 4x^2 + 12x + 9 + x^2 - 2x + 1 = 5x^2 + 10x + 10$

B16	$(2x - 11)^2 + (2x - 3)(2x + 3) = (4x^2 - 44x + 121) + (4x^2 - 9) = 8x^2 - 44x + 112$
B17	$-(2x - 7)^2 = -(4x^2 - 28x + 49) = -4x^2 + 28x - 49$
B18	$-3(10x + 3)^2 = -3(100x^2 + 60x + 9) = -300x^2 - 180x - 27$
B19	$5(10x - 1)(10x + 1) = 5(100x^2 - 1) = 500x^2 - 5$
B20	$-6(7 + 3x)^2 = -6(49 + 42x + 9x^2) = -294 - 252x - 54x^2$