

EXERCICE 1B.1 – Développer en utilisant l'identité remarquable qui convient :

$A = (x + 4)^2$	$B = (2 - x)^2$	$C = (x + 1)(x - 1)$
$D = (2x + 1)^2$	$E = (3 - 2x)^2$	$F = (7x + 5)^2$
$G = (5x + 6)(5x - 6)$	$H = (4 - 8x)^2$	$I = (3 + 4x)(3 + 4x)$
$J = (3 + x)(x - 3)$	$K = (2 + 9x)^2$	$L = (11x - 12)^2$

EXERCICE 1B.2 – Développer, réduire, ordonner :

$Z = (x + 2)^2 + (3 - 2x)(3 + 2x)$ $Z = x^2 + 4x + 4 + 9 - 4x^2$ $Z = -3x^2 + 4x + 13$	$A = (x + 1)^2 + (x - 3)^2$
$B = (3 - x)^2 + (x + 5)^2$	$C = (x - 2)^2 + (x + 4)(x - 4)$
$D = (x + 1)(x - 1) + (x + 4)^2$	$E = (x - 5)^2 + (2x + 7)(2x - 7)$

EXERCICE 1B.3 – Développer, réduire, ordonner :

$Z = (x + 2)^2 - (3 - 2x)(3 + 2x)$ $Z = x^2 + 4x + 4 - (9 - 4x^2)$ $Z = x^2 + 4x + 4 - 9 + 4x^2$ $Z = 5x^2 + 4x - 5$	$A = (2x + 1)^2 - (x + 3)^2$
$B = (2x + 3)^2 - (x - 7)(x + 7)$	$C = (x + 2)(x - 2) - (x - 3)^2$
$D = (x - 5)^2 - (2x - 7)(x - 5)$	$E = (3x + 1)(x - 2) - (2x - 3)^2$