

Exercice 1

Factoriser chacune des expressions littérales suivantes :

$A = 64x^2 + 64x + 16$ $B = (-7x - 3) \times (-9x - 1) - (-9x - 1) \times (8x + 9)$ $C = (-2x + 4)^2 - 9$	$D = -16x^2 + 25$ $E = (-7x - 7)^2 + (-7x - 7) \times (5x - 9)$ $F = (8x + 5) \times (9x + 3) + 8x + 5$
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Exercice 2

Factoriser chacune des expressions littérales suivantes :

$A = (x - 5)^2 - 100x^2$ $B = 36x^2 - 9$ $C = 100x^2 + 180x + 81$ $D = (-10x + 4) \times (2x + 8) + (-10x + 4) \times$	$(-2x + 10)$ $E = (2x + 9)^2 + (3x - 1) \times (2x + 9)$ $F = -(10x - 4) \times (8x - 8) + 10x - 4$
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Exercice 3

Factoriser chacune des expressions littérales suivantes :

$A = 81x^2 + 108x + 36$ $B = -36 + (9x - 9)^2$ $C = (10x + 8) \times (-9x + 1) + (9x + 3) \times (10x + 8)$	$D = 100x^2 - 25$ $E = (-3x + 6) \times (-2x + 1) - (-3x + 6)^2$ $F = 6x + 3 + (9x + 2) \times (6x + 3)$
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Exercice 4

Factoriser chacune des expressions littérales suivantes :

$A = -(10x - 2)^2 + 49$ $B = -x^2 + 64$ $C = (-10x + 8) \times (2x + 5) + (-6x - 3) \times (2x + 5)$	$D = 64x^2 + 144x + 81$ $E = (7x - 6)^2 - (7x - 6) \times (3x - 4)$ $F = (5x - 3) \times (4x + 7) + 4x + 7$
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Exercice 5

Factoriser chacune des expressions littérales suivantes :

$A = 25x^2 - (x - 7)^2$ $B = -36x^2 + 25$ $C = (-6x - 4) \times (8x + 5) - (8x + 5) \times (-9x - 5)$	$D = 4x^2 + 24x + 36$ $E = (6x + 4) \times (2x + 6) + 2x + 6$ $F = (4x + 3) \times (-7x + 4) + (4x + 3)^2$
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Exercice 6

Factoriser chacune des expressions littérales suivantes :

$A = -(10x + 1)^2 + 16x^2$ $B = -(8x + 9) \times (7x + 7) + (2x + 5) \times (7x + 7)$ $C = 81x^2 - 16$	$D = 49x^2 - 126x + 81$ $E = (10x + 1)^2 + (-10x - 1) \times (10x + 1)$ $F = (5x - 7) \times (6x + 7) + 5x - 7$
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