

Entraînement 1 Coche la bonne réponse

	3 TERMES	3 TERMES	2 TERMES
$(3x + 1)^2 =$	<input type="checkbox"/> $9x^2 + 6x + 1$	<input type="checkbox"/> $9x^2 - 6x + 1$	<input type="checkbox"/> $9x^2 - 1$
$(3x - 1)^2 =$	<input type="checkbox"/> $9x^2 + 6x + 1$	<input type="checkbox"/> $9x^2 - 6x + 1$	<input type="checkbox"/> $9x^2 - 1$
$(3x - 1)(3x + 1) =$	<input type="checkbox"/> $9x^2 + 6x + 1$	<input type="checkbox"/> $9x^2 - 6x + 1$	<input type="checkbox"/> $9x^2 - 1$
$(4x + 2)^2 =$	<input type="checkbox"/> $16x^2 + 16x + 4$	<input type="checkbox"/> $16x^2 - 16x + 4$	<input type="checkbox"/> $16x^2 - 4$
$(4x - 2)^2 =$	<input type="checkbox"/> $16x^2 + 16x + 4$	<input type="checkbox"/> $16x^2 - 16x + 4$	<input type="checkbox"/> $16x^2 - 4$
$(4x + 2)(4x - 2) =$	<input type="checkbox"/> $16x^2 + 16x + 4$	<input type="checkbox"/> $16x^2 - 16x + 4$	<input type="checkbox"/> $16x^2 - 4$
$(5x + 3)^2 =$	<input type="checkbox"/> $25x^2 + 30x + 9$	<input type="checkbox"/> $25x^2 - 30x + 9$	<input type="checkbox"/> $25x^2 - 9$
$(5x - 3)^2 =$	<input type="checkbox"/> $25x^2 + 30x + 9$	<input type="checkbox"/> $25x^2 - 30x + 9$	<input type="checkbox"/> $25x^2 - 9$
$(5x + 3)(5x - 3) =$	<input type="checkbox"/> $25x^2 + 30x + 9$	<input type="checkbox"/> $25x^2 - 30x + 9$	<input type="checkbox"/> $25x^2 - 9$
$(x + 7)^2 =$	<input type="checkbox"/> $x^2 + 7x + 49$	<input type="checkbox"/> $x^2 - 14x + 49$	<input type="checkbox"/> $x^2 - 49$
$(4x - 1)^2 =$	<input type="checkbox"/> $16x^2 - 4x + 1$	<input type="checkbox"/> $16x^2 - 8x + 1$	<input type="checkbox"/> $16x^2 - 1$
$(x + 10)(x - 10) =$	<input type="checkbox"/> $x^2 + 20x - 100$	<input type="checkbox"/> $x^2 - 20x + 100$	<input type="checkbox"/> $x^2 - 100$

$$(a+b)^2 = a^2 + 2 \times a \times b + b^2$$

$$(a-b)^2 = a^2 - 2 \times a \times b + b^2$$

$$(a+b)(a-b) = a^2 - b^2$$

 Entraînement 2 Développe les produits remarquables

$(2x + 3)^2 =$	$(5x + 2)(5x - 2) =$	$(7x - 3)^2 =$
$(4x - 5)^2 =$	$(5x + 4)^2 =$	$(6x - 4)(6x + 4) =$
$(6x + 1)^2 =$	$(3x + 5)(3x - 5) =$	$(10x - 5)^2 =$
$(2x + 5)(2x - 5) =$	$(2x + 5)^2 =$	$(4x - 6)^2 =$
$(7x + 9)^2 =$	$(11x - 3)^2 =$	$(5x - 9)(5x + 9) =$

 Entraînement 3 Développe et réduis les expressions suivantes

$E = (4x - 1)^2 + (2x + 3)(2x - 3)$	$F = (2x + 3)^2 + (4x - 2)(2x + 3)$

