

Chap1 Développer 1

Développer  
 $A = (2x + 3)(4x + 5)$

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Développer  
 $A = (4x + 2)(6 + x)$

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Développer  
 $A = (3x - 1)(-2x + 5)$

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Développer  
 $A = (-2 + 6x)(4 - 2x)$

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Développer  
 $A = (7 - 3x)(8x - 2)$

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Développer  
 $A = (-4x + 2)(-5x + 3)$

Chap1 Développer 1

Développer  
 $A = (6x + 4)(-5x - 2)$

Chap1 Développer 1

Développer  
 $A = (-x - 2)(-6x - 5)$

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Développer  
 $(2x - 3)(2x - 3)$

### Solution

$$A = (3x - 1)(-2x + 5)$$

$$A = 3x \times (-2x) + 3x \times 5 + (-1) \times (-2x) + (-1) \times 5$$

$$A = -6x^2 + 15x + 2x + (-5)$$

$$A = (-6x^2) + 17x - 5$$

### Solution

$$A = (4x + 2)(6 + x)$$

$$A = 4x \times 6x + 4x \times 1 + 2 \times 6x + 2 \times 1$$

$$A = 24x^2 + 4x + 12x + 2$$

$$A = 24x^2 + 16x + 2$$

### Solution

$$A = (2x + 3)(4x + 5)$$

$$A = 2x \times 4x + 2x \times 5 + 3 \times 4x + 3 \times 5$$

$$A = 8x^2 + 10x + 12x + 15$$

$$A = 8x^2 + 22x + 15$$

### Solution

$$A = (-4x + 2)(-5x + 3)$$

$$A = (-4x) \times (-5x) + (-4x) \times 3 + 2 \times (-5x) + 2 \times 3$$

$$A = 20x^2 + (-12x) + (-10x) + 6$$

$$A = 20x^2 - 22x + 6$$

### Solution

$$A = (7 - 3x)(8x - 2)$$

$$A = 7 \times 8x + 7 \times (-2) + (-3x) \times 8x + (-3x) \times (-2)$$

$$A = 56x + (-14) + (-24x^2) + 6x$$

$$A = -24x^2 + 62x - 14$$

### Solution

$$A = (-2 + 6x)(4 - 2x)$$

$$A = (-2) \times 4 + (-2) \times (-2x) + 6x \times 4 + 6x \times (-2x)$$

$$A = (-8) + 4x + 24x + (-12x^2)$$

$$A = -12x^2 + 28x - 8$$

### Solution

$$A = (-3x + 5)(-3x + 5)$$

$$A = 2x \times 2x + 2x \times (-3) + (-3) \times 2x + (-3) \times (-3)$$

$$A = 4x^2 + (-6x) + (-6x) + 9$$

$$A = 4x^2 - 12x + 9$$

### Solution

$$A = (-x - 2)(-6x - 5)$$

$$A = (-x) \times (-6x) + (-x) \times (-5) + (-2) \times (-6x) + (-2) \times (-5) =$$

$$A = 6x^2 + 5x + 12x + 10 =$$

$$A = 6x^2 + 17x + 10$$

### Solution

$$A = (6x + 4)(-5x - 2)$$

$$A = 6x \times (-5x) + 6x \times (-2) + 4 \times (-5x) + 4 \times (-2)$$

$$A = (-30x^2) + (-12x) + (-20x) + (-8)$$

$$A = -30x^2 - 32x - 8$$

Chap1 Développer 2

Développer  
 $(2x + 3)^2$

Chap1 Développer 2

Développer  
 $(4x - 2)^2$

Chap1 Développer 2

Développer  
 $(-3x + 5)^2$

Chap1 Développer 2

Développer  
 $A = (2x + 3)(2x - 3)$

Chap1 Développer 2

Développer  
 $A = (5x - 1)(5x + 1)$

Chap1 Développer 2

Développer  
 $A = (-2x + 4)(-2x - 4)$

Chap1 Développer 2

Développer  
 $A = (3x + 5)(3x - 5)$

Chap1 Développer 2

Développer  
 $A = (6x - 8)(6x - 8)$

Chap1 Développer 2

Développer  
 $A = (3 - 2x)(3 + 2x)$

Solution

$$A = (-3x + 5)(-3x + 5)$$

$$A = (-3x + 5)(-3x + 5)$$

$$A = (-3x) \times (-3x) + (-3x) \times 5 + 5 \times (-3x) + 5 \times 5$$

$$A = 9x^2 + (-15x) + (-15x) + 25$$

$$A = 9x^2 - 30x + 25$$

Solution

$$A = (4x - 2)(4x - 2)$$

$$A = (4x - 2)(4x - 2)$$

$$A = 4x \times 4x + 4x \times (-2) + (-2) \times 4x + (-2) \times (-2)$$

$$A = 16x^2 + (-8x) + (-8x) + 4$$

$$A = 16x^2 - 16x + 4$$

Solution

$$A = (2x + 3)(2x + 3)$$

$$A = (2x + 3)(2x + 3)$$

$$A = 2x \times 2x + 2x \times 3 + 3 \times 2x + 3 \times 3$$

$$A = 4x^2 + 6x + 6x + 9$$

$$A = 4x^2 + 12x + 9$$

Solution

$$A = (-2x + 4)(-2x - 4)$$

$$A = (-2x)^2 - 4^2$$

$$A = 4x^2 - 16$$

Solution

$$A = (5 - x)(5 + x)$$

$$A = 5^2 - (-1x)^2$$

$$A = 25 - 1x^2$$

Solution

$$A = (2x + 3)(2x - 3)$$

$$A = (2x)^2 - 3^2$$

$$A = 4x^2 - 9$$

Solution

$$A = (3 - 2x)(3 + 2x)$$

$$A = 3^2 - (2x)^2$$

$$A = 9 - 4x^2$$

Solution

$$A = (6x - 8)(6x + 8)$$

$$A = (6x)^2 - 8^2$$

$$A = 36x^2 - 64$$

Solution

$$A = (3x + 5)(3x - 5)$$

$$A = (3x)^2 - 5^2$$

$$A = 9x^2 - 25$$