

Éléments de correction - Devoir flash n°3

Développer les expressions suivantes, puis simplifier les expressions le plus possible.

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

$$A = 2x \times 2x + 2x \times 1 + 3 \times 2x + 3 \times 1$$

$$A = 4x^2 + 2x + 6x + 3$$

$$A = 4x^2 + 8x + 3$$

$$B = (-x + 3)(x + 4)$$

$$B = -x \times x + (-x) \times 4 + 3 \times x + 3 \times 4$$

$$B = -x^2 - 4x + 3x + 12$$

$$B = -x^2 - x + 12$$

$$C = (x - 1)(-x - 2)$$

$$C = x \times (-x) + x \times (-2) + (-1) \times (-x) + (-1) \times (-2)$$

$$C = -x^2 - 2x + x + 2$$

$$C = -x^2 - x + 2$$

$$D = (x - 1)(x^2 + x)$$

$$D = x \times x^2 + x \times x + (-1) \times x^2 + (-1) \times x$$

$$D = x^3 + x^2 - x^2 - x$$

$$D = x^3 - x$$

$$E = (x + 6)(3x + 1)$$

$$E = x \times 3x + x \times 1 + 6 \times 3x + 6 \times 1$$

$$E = 3x^2 + x + 18x + 6$$

$$E = 3x^2 + 19x + 6$$

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

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

$$F = -x^2 + 5x - 3x + 15$$

$$F = -x^2 + 2x + 15$$

$$G = (-x + 1)(-x - 3)$$

$$G = (-x) \times (-x) + (-x) \times (-3) + 1 \times (-x) + 1 \times (-3)$$

$$G = x^2 + 3x - x - 3$$

$$G = x^2 + 2x - 3$$

$$H = (x^2 - 2)(x + x^2)$$

$$H = x^2 \times x + x^2 \times x^2 + (-2) \times x + (-2) \times x^2$$

$$H = x^3 + x^4 - 2x - 2x^2$$