

Développeur

$$\bullet 5x(7x - 2)$$

$$= 5x \times 7x + 5x \times (-2)$$

$$= 35x^2 - 10x$$

$$\bullet (2x - 5)(x + 4)$$

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

$$= 2x^2 + 8x - 5x - 20$$

$$= 2x^2 + 3x - 20$$

$$\bullet (x+4)(x-6) + (-1+x)(x-7)$$

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

$$+ (-1) \times x + (-1) \times (-7) + x \times x + x \times (-7)$$

$$= x^2 - 6x + 4x - 24 - x + 7 + x^2 - 7x$$

$$= 2x^2 - 10x - 17$$

Factoriser

$$A = 9x^2 - 5x$$

$$= 9 \times \cancel{x} \times x - 5 \times \cancel{x}$$

$$= \cancel{x} (9x - 5)$$