

# Fiche Factorisation

Niveau 2

Fl. Ex 8

$$A = 3x + 5x = (3+5) \times x = 8x$$

$$\begin{aligned} B &= (2x+1) \times 2 + (2x+1) \times 3 \\ &= (2x+1) (2+3) = 5(2x+1) \end{aligned}$$

$$\begin{aligned} C &= (2x+1) \times 2 + (2x+1) \times x \\ &= (2x+1) (2+x) \end{aligned}$$

$$\begin{aligned} D &= (1-3x) (2+x) + (1-3x) (5-2x) \\ &= (1-3x) (2+x+5-2x) \\ &= (1-3x) (-x+7) \end{aligned}$$

$$\begin{aligned} E &= (2+3x) (x-1) - (x+1) (3x+2) \\ &= (3x+2) (x-1) - (x+1) (3x+2) \\ &= (3x+2) (x-1 - (x+1)) \\ &= (3x+2) (x-1 - x-1) \\ &= (3x+2) \times (-2) \end{aligned}$$

$$F = (x+1)^2 + (x+1)(5x-4)$$

$$= \underline{(x+1)}(x+1) + \underline{(x+1)}(5x-4)$$

$$= (x+1)(x+1 + 5x-4)$$

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