

Développer et réduire les expressions suivantes :

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

$$A = 5x - 2x + 2$$

$$\boxed{A = 3x + 2}$$

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

$$B = 4x - x - 3$$

$$\boxed{B = 3x - 3}$$

$$C = (x - 3)(7x - 1)$$

$$C = 7x^2 - x - 21x + 3$$

$$\boxed{C = 7x^2 - 22x + 3}$$

$$D = 4 - (2 - x)(5 + x)$$

$$D = 4 - (10 + 2x - 5x - x^2)$$

$$D = 4 - 10 - 2x + 5x + x^2$$

$$\boxed{D = x^2 + 3x - 6}$$

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

$$E = -4(6 + 3x - 10x - 5x^2)$$

$$E = -4(-5x^2 - 7x + 6)$$

$$\boxed{E = 20x^2 + 28x - 24}$$

$$F = 4 - 2(x - 3)(1 - x)$$

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

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

$$F = 4 + 2x^2 - 8x + 6$$

$$\boxed{F = 2x^2 - 8x + 10}$$

$$G = (x - 1)(3x - 2)(2 - x)$$

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

$$G = (3x^2 - 5x + 2)(2 - x)$$

$$G = 6x^2 - 3x^3 - 10x + 5x^2 + 4 - 2x$$

$$\boxed{G = -3x^3 + 11x^2 - 12x + 4}$$