

# Correction de l'interno 1

exo 1

$$A = -12 - (-4) \times (-5 - 6)$$

$$A = -12 + 4 \times (-11)$$

$$A = -12 - 44$$

$$A = -66$$

$$B = -4 + [24 \div (-4)] \times [-2 \times (-6)] + (+4) \times (-3)$$

$$B = -4 - 6 \times 12 - 12$$

$$B = -4 - 72 - 12$$

$$B = -88$$

$$C = 200 - [8 \times (-3) \times (-5)] \div 2$$

$$C = 200 - 120 \times (-1)$$

$$C = 200 + 120$$

$$C = 320$$

$$D = 15 - 3 \times (14 - 21) - 5 - (-36 - 2 \times (-15))$$

$$D = 15 - 3 \times (-7) - 5 - (-36 + 30)$$

$$D = 15 + 21 - 5 - (-6)$$

$$D = 15 + 21 - 5 + 6$$

$$D = 42 - 5$$

$$D = 37$$

$$E = \frac{-2 - 3 \times 4}{10 - 2 \times (4 - 6)}$$

$$E = \frac{-2 - 12}{10 - 2 \times (-2)}$$

$$E = \frac{-14}{10 + 4}$$

$$E = \frac{-14}{14}$$

$$E = -1$$

$$F = \frac{(2 - 3) \times 4 + 1}{(8 - 10) \times 2 + 5 \div (2 + 3)}$$

$$F = \frac{-1 \times 4 + 1}{-2 \times 2 + 5 \div 5}$$

$$F = \frac{-4 + 1}{-4 + 1}$$

$$F = \frac{-3}{-3}$$

$$F = 1$$

exo 2

1. Pour  $x = 3$

$$A = 3^2 - 5 \times 3 - 2$$

$$A = 9 - 15 - 2$$

$$A = -6 - 2$$

$$A = -8$$

2. Pour  $x = -2$

$$A = (-2)^2 - 5 \times (-2) - 2$$

$$A = 4 + 10 - 2$$

$$A = 14 - 2$$

$$A = 12$$

exo 3

$$1. 36 - 6 \times 4 = 12$$

$$2. 3 - 4 + 2 - 3 + 5 = 3$$

exo 4

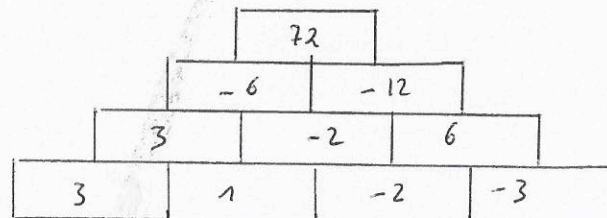
$$A = (-4) \times (5 + 2) + (-3) - 4 = -35$$

$$B = (-2) \times 3 + (8 + 2) \times (2 - 1) = 4$$

$$C = (1 + 2) \times 4 - 2 \times 3 + 4 = 10$$

$$D = 5 + 2 \times (3 + 2) \times 4 - 1 = 18$$

exo 5



exo 6

$a > 0$  pour que  $\frac{15 \times (-3)}{-a \times (-9)}$  soit négatif

exo 7

$$A = -5 \times 0,2 \times 4 \times (-25) \times (-8) \times (-0,125) \times 3,67$$

$$A = -1 \times 100 \times 1 \times 3,67$$

$$A = 367$$

$$B = -(-2,5) \times (-4) \times (-40) \times (-0,1) \times (-9) \times (-5) \times (-8)$$

$$B = 10 \times 4 \times 45 \times 8$$

$$B = 40 \times 360$$

$$B = 14400$$