

# FEUILLE DE RÉVISIONS N° 9

## Chapitre n° 9 (p. 91-92 du TD)

### Exercice 1

$$\frac{6}{5} = \frac{6 \times 10}{5 \times 10} = \frac{60}{50}$$

$$\frac{11}{10} = \frac{11 \times 5}{10 \times 5} = \frac{55}{50}$$

$$\frac{5}{7} = \frac{5 \times 8}{7 \times 8} = \frac{40}{56}$$

$$\frac{7}{8} = \frac{7 \times 7}{8 \times 7} = \frac{49}{56}$$

$$\frac{3}{4} = \frac{3 \times 25}{4 \times 25} = \frac{75}{100}$$

$$\frac{18}{25} = \frac{18 \times 4}{25 \times 4} = \frac{72}{100}$$

### Exercice 2

$$\mathcal{A}_{ABCD} = C \times C = 3 \times 3 = 9 \text{ cm}^2.$$

$$\mathcal{A}_{KGB} = \frac{L \times \ell}{2} = \frac{3 \times 4}{2} = \frac{12}{2} = 6 \text{ cm}^2.$$

$$\mathcal{A}_{ABCD} = L \times \ell = 4 \times 2,5 = 10 \text{ cm}^2.$$

$$\mathcal{A}_{\text{disque}} = \pi \times r \times r = \pi \times 3 \times 3 = 9\pi \approx 28,3 \text{ cm}^2.$$

### Exercice 3

$$A = 3x$$

$$A = 3 \times 7$$

$$\mathbf{A = 21.}$$

$$B = 2x + 6 \text{ pour } x = 5$$

$$B = 2 \times 5 + 6$$

$$B = 10 + 6$$

$$\mathbf{B = 16.}$$

$$C = x - 11$$

$$C = 31 - 11$$

$$\mathbf{C = 20.}$$

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

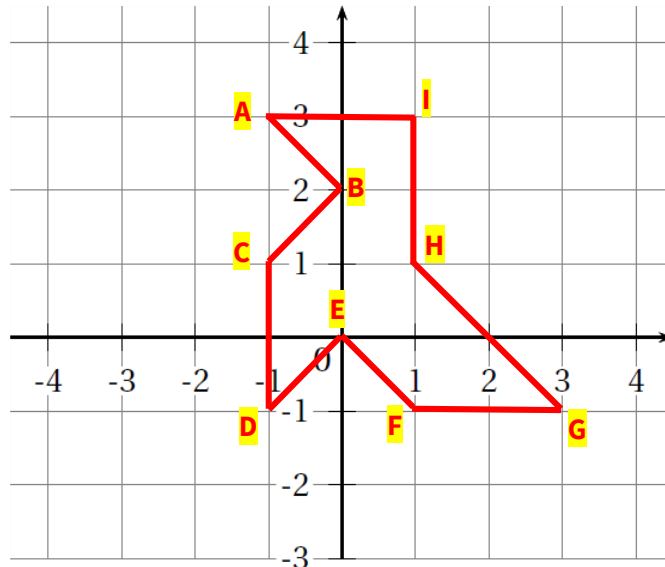
$$D = 6^2 + 3 \times 6 - 2$$

$$D = 36 + 18 - 2$$

$$D = 54 - 2$$

$$\mathbf{D = 52.}$$

### Exercice 4



### Exercice 5

$$\mathcal{A}_{ABCD} = L \times l = 5 \times 3 = 15 \text{ cm}^2, \text{ et } \mathcal{A}_{CDE} = \frac{L \times \ell}{2} = \frac{3 \times 3}{2} \text{ (codage)} = \frac{9}{2} = 4,5 \text{ cm}^2.$$

$$\text{Par conséquent, } \mathcal{A}_{ABCDE} = \mathcal{A}_{ABCD} + \mathcal{A}_{CDE} = 15 + 4,5 = \mathbf{19,5 \text{ cm}^2}.$$

## Exercice 6

$$A = (+4) + (-5) = -1.$$

$$B = (-6) + (-4) = -10.$$

$$C = (-8) + (+3) - (+4)$$

$$C = (-8) + (+3) + (-4)$$

$$C = -9.$$

$$D = (-5) - (+4) = (-5) + (-4) = -9.$$

$$E = (-11) + (+3) - (-7)$$

$$E = (-11) + (+3) + (+7)$$

$$E = -1.$$

$$F = (-7) - (+4) + (+6)$$

$$F = (-7) + (-4) + (+6)$$

$$F = -5.$$

$$G = (+4) - (+6) - (-3)$$

$$G = (+4) + (-6) + (+3)$$

$$G = 1.$$

$$H = (+32) - (+2) - (-10)$$

$$H = (+32) + (-2) + (+10)$$

$$H = 40.$$

## Exercice 7

A(-2 ; 6)

F(3 ; -5)

B(1 ; 9)

G(-2 ; -5)

C(-5 ; -2)

H(6 ; 8)

D(6 ; -2)

I(2 ; 4)

E(3 ; 2)

J(1 ; 0)

## Exercice 8

Il s'agit de calculer  $8,10 \div 6 = 1,35$ . **Un stylo coûte donc 1,35 €.**

## Exercice 9

Il s'agit de calculer  $12,28 + 3,25 = 15,53$ . **Le livre coûte donc 15,53 €.**