

## FC 3 : Piloter un calcul (3)

TI Collège™ Plus

1. Effectuer les calculs suivants en indiquant toutes les étapes.
2. Vérifier la réponse avec la calculatrice.

$$A = \sqrt{5^2 \times 2^2}$$

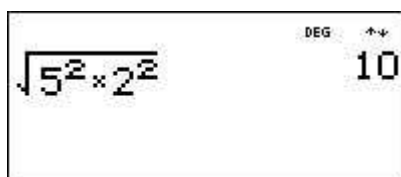
$$A = \sqrt{5^2} \times \sqrt{2^2}$$

$$A = 5 \times 2$$

$$A = 10$$

Calculatrice :

2nde  $x^2$  5  $x^2$   $\times$  2  $x^2$  entrer



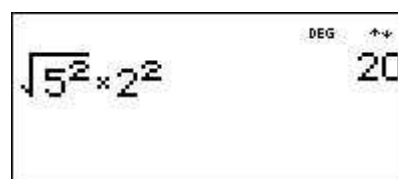
$$B = \sqrt{5^2} \times 2^2$$

$$B = 5 \times 4$$

$$B = 20$$

Calculatrice :

2nde  $x^2$  5  $x^2$   $\rightarrow$   $\times$  2  $x^2$  entrer



$$C = \sqrt{3^2 \times 5^4 \times 2^6}$$

$$C = \sqrt{3^2} \times \sqrt{5^4} \times \sqrt{2^6}$$

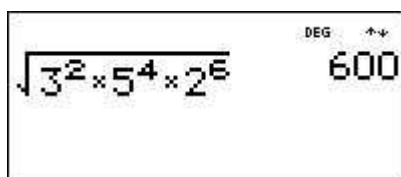
$$C = 3 \times 5^2 \times 2^3$$

$$C = 3 \times 25 \times 8$$

$$C = 600$$

Calculatrice : 2nde  $x^2$  3  $x^2$   $\times$  5  $x^n$  4  $\rightarrow$

$\rightarrow$   $\times$  2  $x^n$  6 entrer



$$D = \sqrt{16 \times 10^{-4}} \times \sqrt{25 \times 10^6}$$

$$D = \sqrt{16} \times \sqrt{10^{-4}} \times \sqrt{25} \times \sqrt{10^6}$$

$$D = 4 \times 10^{-2} \times 5 \times 10^3$$

$$D = 20 \times 10$$

$$D = 200$$

Calculatrice : 2nde  $x^2$  1 6  $\times 10^n$  (-) 4  $\rightarrow$

$\rightarrow$   $\times$  2nde  $x^2$  2 5  $\times 10^n$  6 entrer

