

LES FONCTIONS EXPONENTIELLES E02

EXERCICE N°1 (Le corrigé)

Simplifier les expressions suivantes :

$$A = 0,89^{1,5} \times 0,89 \times 0,89^{-3,2}$$

$$B = 3,5^{2,2} \times 2^{2,2} \times 0,5^{2,2}$$

$$C = \frac{4,1^{2,5} \times 4,1^{-5,2}}{4,1^{-4,8} \times 4,1^{2,7}}$$

$$A = 0,89^{1,5+1-3,2}$$

$$B = (3,5 \times 2 \times 0,5)^{2,2}$$

$$C = \frac{4,1^{2,5-5,2}}{4,1^{-4,8+2,7}} = \frac{4,1^{-2,7}}{4,1^{-2,1}}$$

$$\boxed{A = 0,89^{-0,7}}$$

$$\boxed{B = 3,5^{2,2}}$$

$$C = 4,1^{-2,7-(-2,1)}$$

$$\boxed{C = 4,1^{-0,6}}$$

$$D = \pi^{2,8} \times (\pi^{-1,5})^2$$

$$E = \left(\left(\frac{9}{4} \right)^3 \times 2,25^{-1,5} \right)^{-1}$$

$$D = \pi^{2,8} \times \pi^{-3}$$

$$D = \pi^{2,8-3}$$

$$\boxed{D = \pi^{-0,2}}$$

$$E = (2,25^3 \times 2,25^{-1,5})^{-1}$$

$$E = (2,25^{3-1,5})^{-1}$$

$$E = (2,25^{1,5})^{-1}$$

$$\boxed{E = 2,25^{-1,5}}$$