Calcul - 10 minutes

Cours

Ecrire en fonction de $t = \tan \frac{x}{2}$, les expressions de

$\cos x =$ $\qquad\qquad\qquad\qquad\qquad$ $\sin x =$ $\qquad\qquad\qquad\qquad\qquad$ $\tan x =$

Simplifier :

$\cos(x+\dfrac{\pi}{2}) =$ $\qquad\qquad\qquad\qquad$ $\sin(x-\pi) =$ $\qquad\qquad\qquad\qquad$ $\tan(x+\pi) =$

$\tan(a+b) =$ $\qquad\qquad\qquad\qquad\qquad$ $\sin p - \sin q =$ $\qquad\qquad\qquad\qquad$ $\cos a \cos b =$

Calculs

Linéariser :

$\cos^4(x) \times \sin(x) =$

Montrer que $\displaystyle\sum_{k=1}^{n} \sin(\frac{k\pi}{n}) = \operatorname{cotan} \frac{\pi}{2n}$

Calcul - 10 minutes

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Calcul - 10 minutes

Cours

Ecrire en fonction de $t = \tan \frac{x}{2}$, les expressions de

$\tan x =$ $\cos x =$ $\sin x =$

Simplifier :

$\cos(x-\dfrac{\pi}{2}) =$ $\cos(x-\pi) =$ $\tan(x-\pi) =$

$\tan(a-b) =$ $\cos p + \cos q =$ $\cos a \sin b =$

Calculs

Linéariser :

$\sin^4(x) \times \cos(x) =$

Montrer que $\displaystyle\sum_{k=1}^{n} \cos(\frac{k\pi}{n}) = -1$

Calcul - 10 minutes

Cours

Ecrire en fonction de $t = \tan \frac{x}{2}$, les expressions de

$\tan x =$ $\qquad\qquad\qquad\qquad$ $\cos x =$ $\qquad\qquad\qquad\qquad$ $\sin x =$

Simplifier :

$\cos(x - \dfrac{\pi}{2}) =$ $\qquad\qquad$ $\cos(x - \pi) =$ $\qquad\qquad$ $\tan(x - \pi) =$

$\tan(a - b) =$ $\qquad\qquad$ $\cos p + \cos q =$ $\qquad\qquad$ $\cos a \sin b =$

Calculs

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