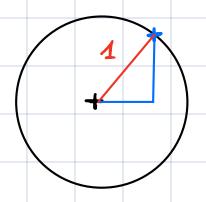
Triconométrie



$$\cos^2(d) + \sin^2(d) = 1$$

•
$$80 \left(2 + \frac{\pi}{2} \right) = \cos \left(2 \right)$$

$$\cos(x-1/2) = \sin(a)$$

 $\sin(a-1/2) = \cos(a)$

$$\cos() = \sin(a)$$

 $\sin(a) = \cos(a)$

arcsin:
$$[=1,1] \rightarrow [-\pi,\pi]$$

y +> $[=1,1] \rightarrow [-\pi,\pi]$

arccos: $[=1,1] \rightarrow [0,\pi]$

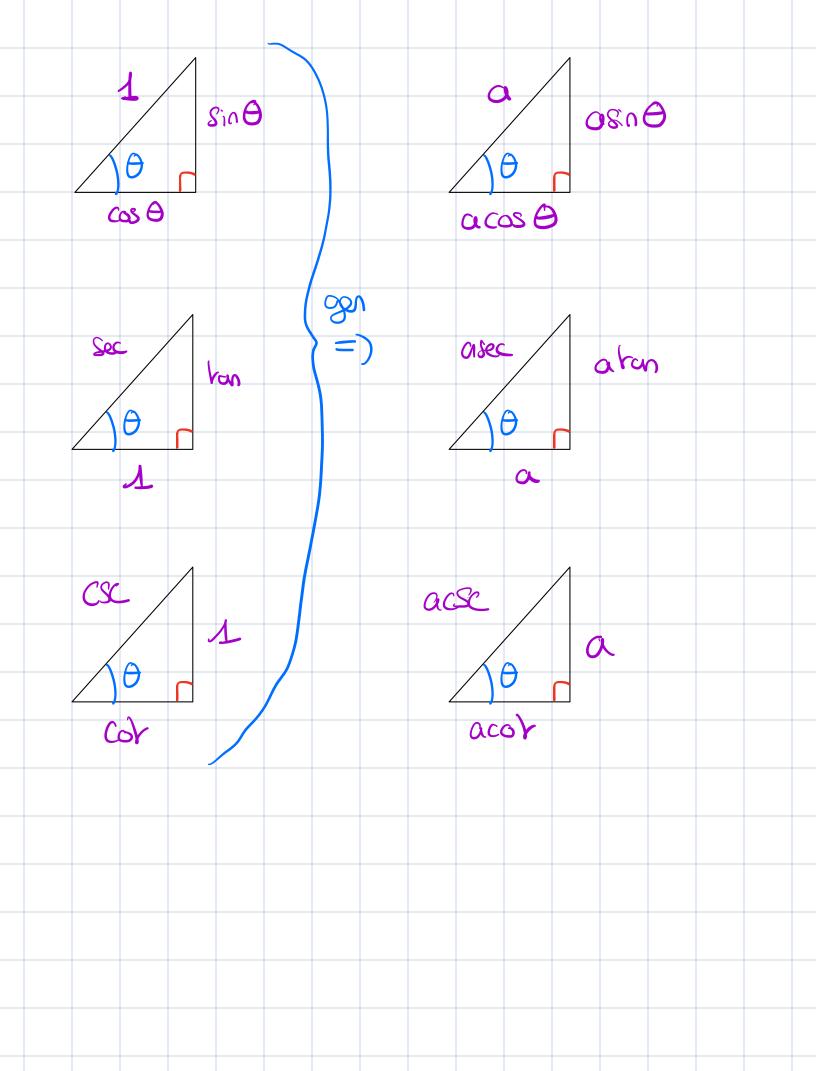
$$\infty \mapsto \arccos(x)$$

$$1 + \tan^2 \lambda = \frac{1}{\cos^2 \lambda} \quad (\lambda \in D_{cor})$$

$$1 + \cot^2 \lambda = \frac{1}{\sin^2 \lambda} \quad (\lambda \in D_{cor})$$

$$\frac{1}{\sin^2 \lambda} \quad (\lambda \in D_{cor})$$

$$\frac{1}{\cos^2 \lambda$$



Tongente

I an

$$d \rightarrow (\frac{\pi}{2} + k\pi) - t \text{ an } d = +\infty$$

I an

 $d \rightarrow (\frac{\pi}{2} + k\pi) + t \text{ an } d = -\infty$

Cotangente

I an

 $d \rightarrow (k\pi) + t \text{ an } d = +\infty$

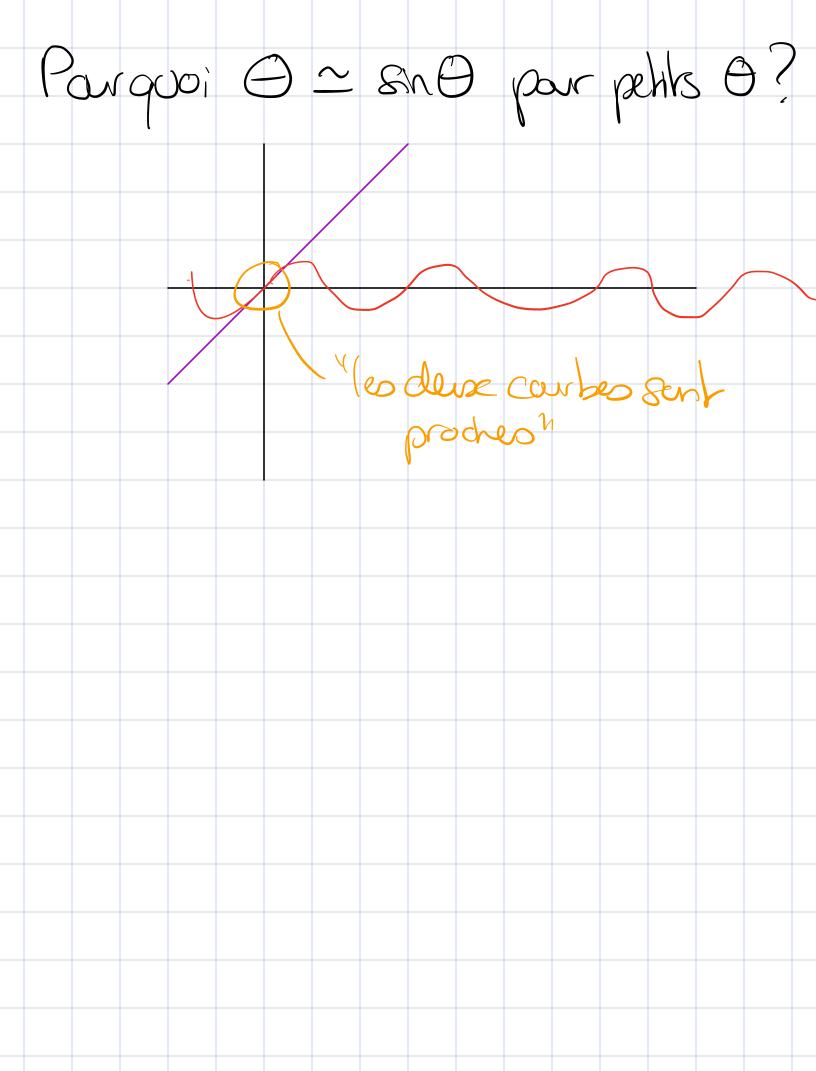
A $d \rightarrow (k\pi) + t \text{ an } d = +\infty$

A $d \rightarrow (k\pi) + t \text{ an } d = +\infty$

$$\cos'(\omega_{1}) = -\omega_{1}\sin(\omega_{1})$$

$$\sin'(\omega_{1}) = \omega_{2}\cos(\omega_{2})$$

$$\tan'(\omega_{3}) = \frac{\omega_{3}}{\cos(\omega_{3})}$$



Formules d'addition

- $\cos(a+b) = \cos(a)\cos(b) \sin(a) \sin(b)$
- Sin(a+b) = Sin(a)cos(b) + cos(a) Sin(b)
- · ran (a+b) = ran (a) + ran (b)

 1-ran (a) + ran (b)
- $\cos(a-b) = \cos(a)\cos(b) + \sin(a)\sin(b)$
- 8in(a-b) = 8in(a)cos(b) cos(a)8in(b)
- $\begin{array}{c} \cdot \text{ fon (a-b)} & \underline{\quad \text{ fon (b)}} \\ \underline{\quad \text{ }} \\ 1 + \text{ fon (a) fon (b)} \end{array}$

$$\cos(2x) = \cos^2(x) - \sin^2(x)$$

$$= 2\cos^2(x) - 1$$

$$= 1 - 2\sin^2(x)$$

$$-8in(2x) = 2sin(x)cos(x)$$

$$(con(2x)) = \frac{2 con(xe)}{1 - con^2(x)}$$

Formles du denns-ongle

$$\frac{1}{2} \cos^2(x) = 1 + \cos(2x)$$

$$-810^{2}(x) = 1-\cos(2x)$$