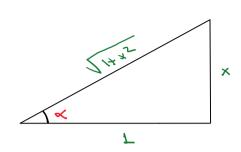
## Simplificaciones trigonométricas

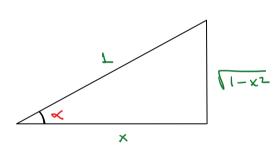
viernes, 17 de noviembre de 2023 9:12



$$Sen(x) = \frac{x}{\sqrt{1+x^2}}$$
  $\iff$   $x = or csen\left(\frac{x}{\sqrt{1+x^2}}\right)$ 

$$(\infty)(\ll) = \frac{1}{(1+\chi^2)} \iff \ll = \alpha(\cos(\frac{1}{(1+\chi^2)})$$

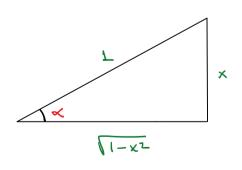
$$= 2.5 \operatorname{en}(\alpha) \cdot \operatorname{cay}(\alpha) = 2 \cdot \frac{\alpha}{\sqrt{1+\alpha^2}} \cdot \frac{1}{\sqrt{1+\alpha^2}} = \frac{2 \times 1}{1+\alpha^2}$$



$$(\infty)(\alpha) = \frac{1}{X} = X \qquad \Longleftrightarrow \qquad \alpha = \alpha_1(\alpha)(x)$$

$$\sqrt{1-\chi^2} \qquad \text{Sen}(x) = \frac{\sqrt{1-\chi^2}}{1} = \sqrt{1-\chi^2} \iff \chi = \alpha \text{ Clen}\left(\sqrt{1-\chi^2}\right)$$

$$t_{S}(x) = \frac{\sqrt{1-x^2}}{x}$$
  $\iff x = arct_{S}(\frac{\sqrt{1-x^2}}{x})$ 



$$Sen(x) = \frac{x}{1} = x$$
  $C = \alpha Clen(x)$ 

$$t_{\gamma(x)} = \frac{x}{\sqrt{1-x^2}}$$
  $\iff x = art_{\gamma}\left(\frac{x}{\sqrt{1-x^2}}\right)$ 

$$= (8)^{2}(x) - (2x)^{2} = (\sqrt{1-x^{2}})^{2} - (x)^{2} = 1-2x^{2}$$