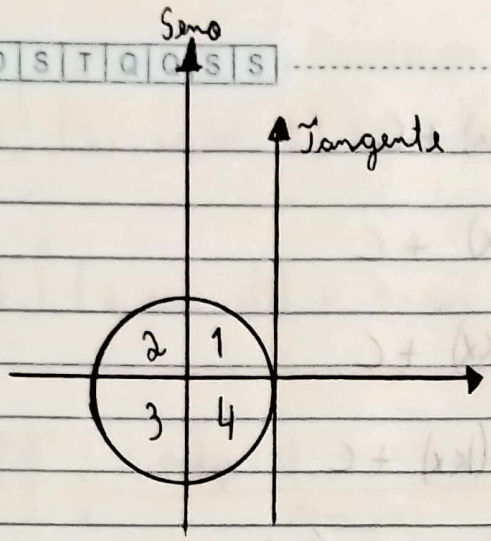
D S T Q Q S S



$sen^2(x) + cos^2(x) = 1$

* secante $\theta = \frac{1}{\text{cosseno } \theta}$

* cossecante $\theta = \frac{1}{\text{seno } \theta}$

* cotangente $\theta = \frac{1}{\text{tangente } \theta}$

Trigonometria → Estudo dos Arcos de circunferência de raio = 1

* $\frac{sen^2}{cos^2} + \frac{cos^2}{cos^2} = \frac{1}{cos^2} \rightarrow tg^2 + 1 = sec^2$

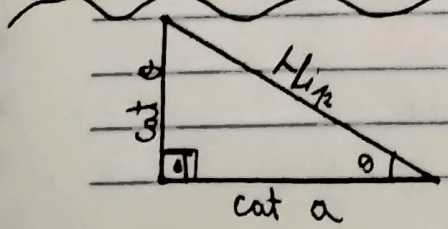
* $\frac{sen^2}{sen^2} + \frac{cos^2}{sen^2} = \frac{1}{sen^2} \rightarrow 1 + cotg^2 = cossec^2$

* Seno da soma de dois Arcos

$sen(a+b) = sen\,a \cdot cos\,b + sen\,b \cdot cos\,a$

* Cosseno da soma de dois Arcos

$cos(a+b) = cos\,a \cdot cos\,b + sen\,a \cdot sen\,b$



* $sen\,\theta = \frac{\text{cateto oposto}}{\text{Hipotenusa}}$

* $cos\,\theta = \frac{\text{cateto adjacente}}{\text{Hipotenusa}}$

* $tan\,\theta = \frac{\text{cateto oposto}}{\text{cateto adjacente}} = \frac{sen\,\theta}{cos\,\theta}$