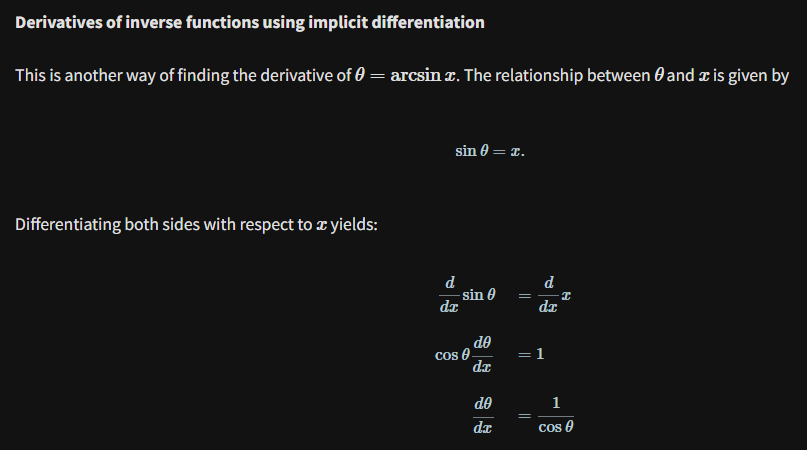
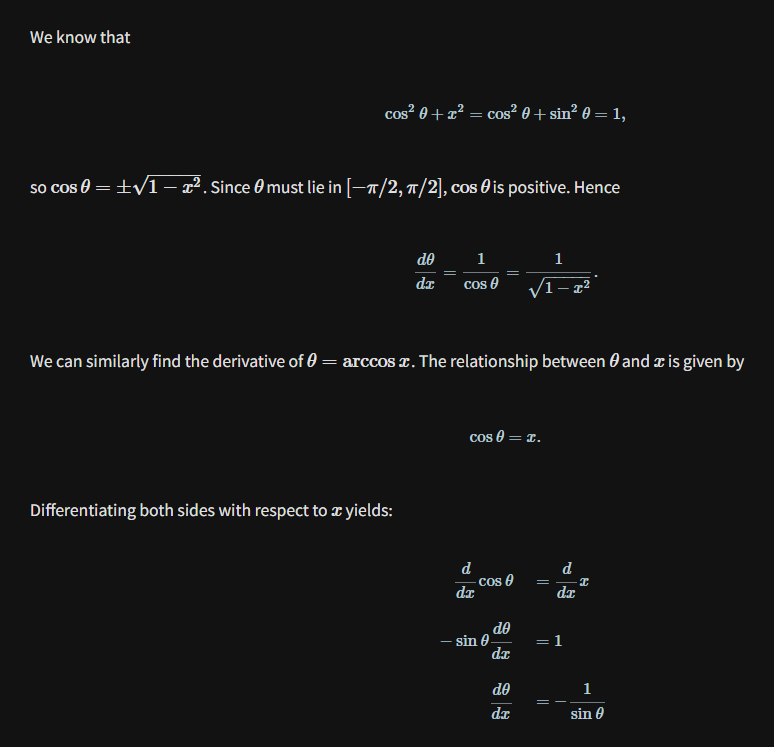
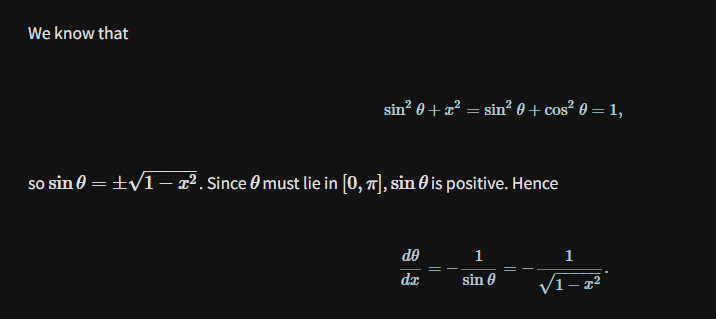
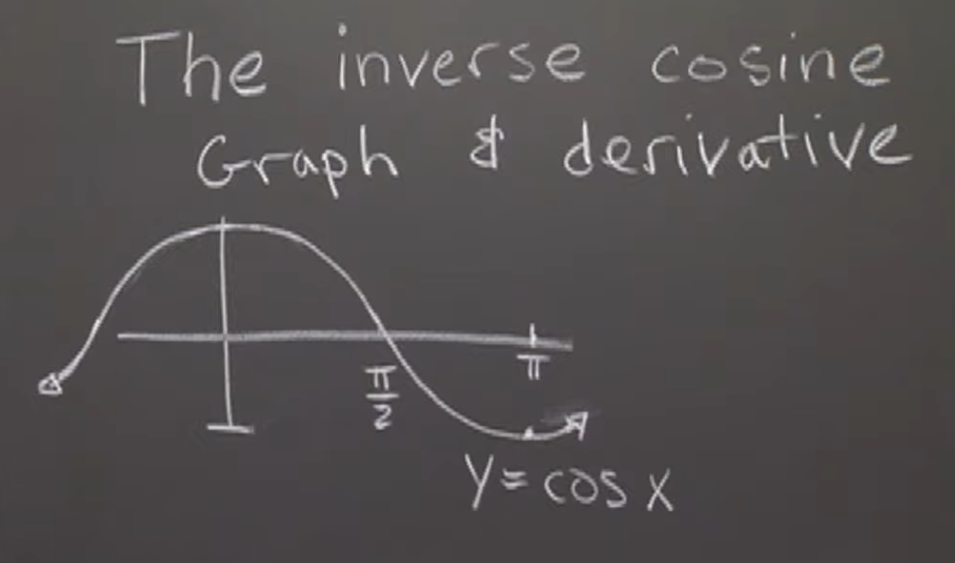


**Note on video:** In the video, the quantity sin′(arcsinx)=cos(arcsinx). Observe that this is not the same as (sin(arcsinx))′ which requires the chain rule to evaluate.

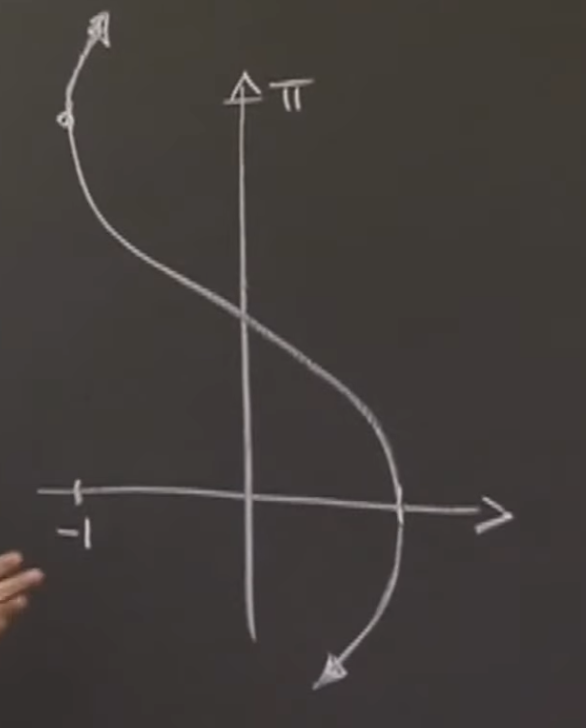




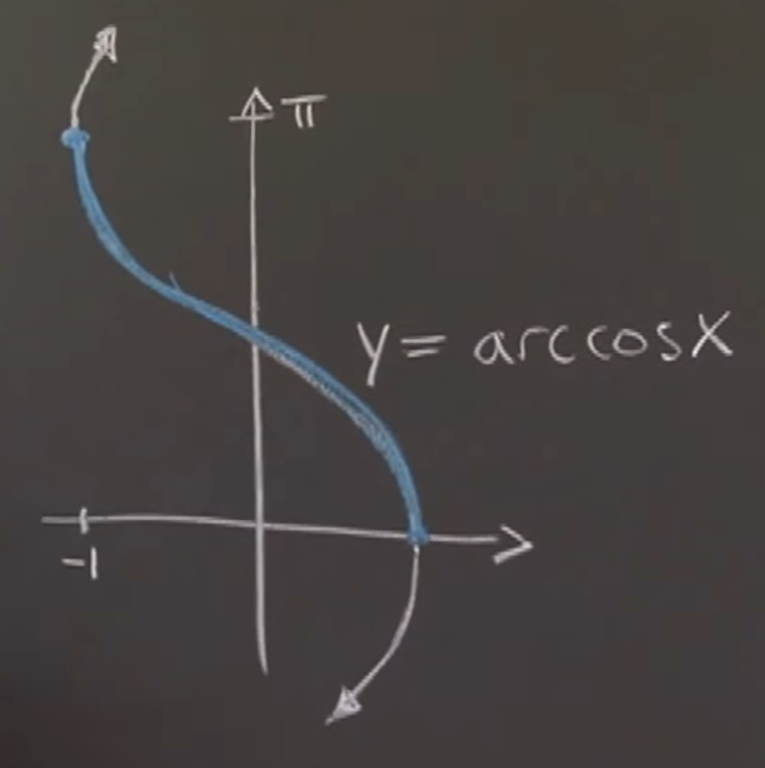




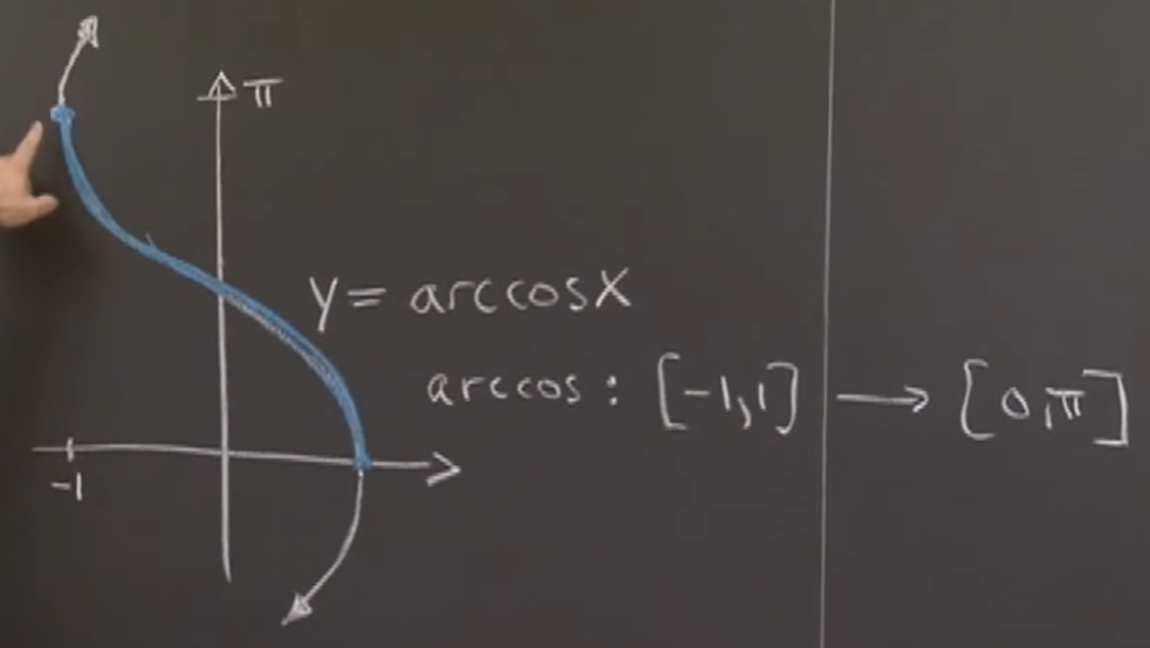
Reflecting cosine (inverse function)

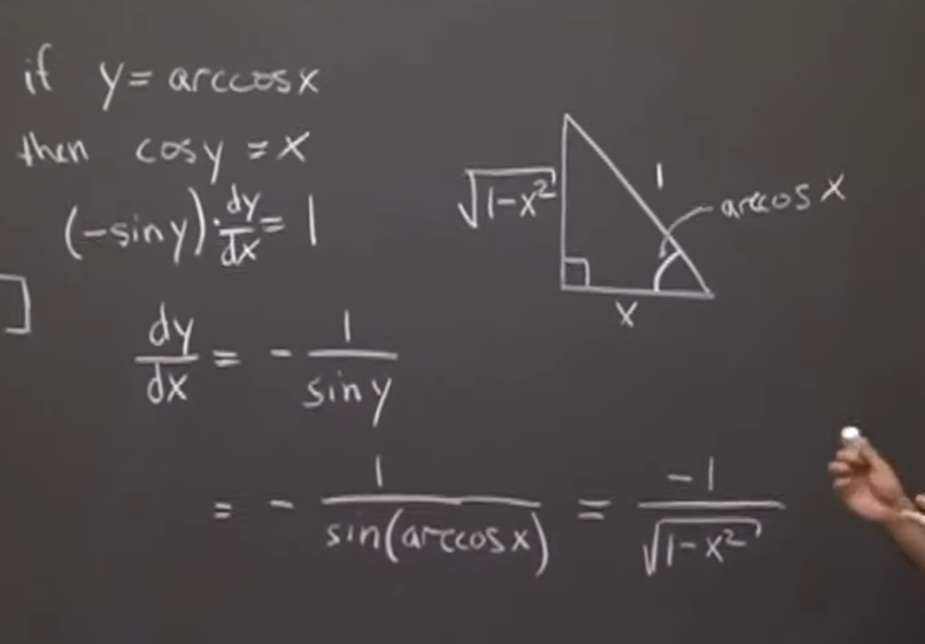


Take only a range of the arccosine



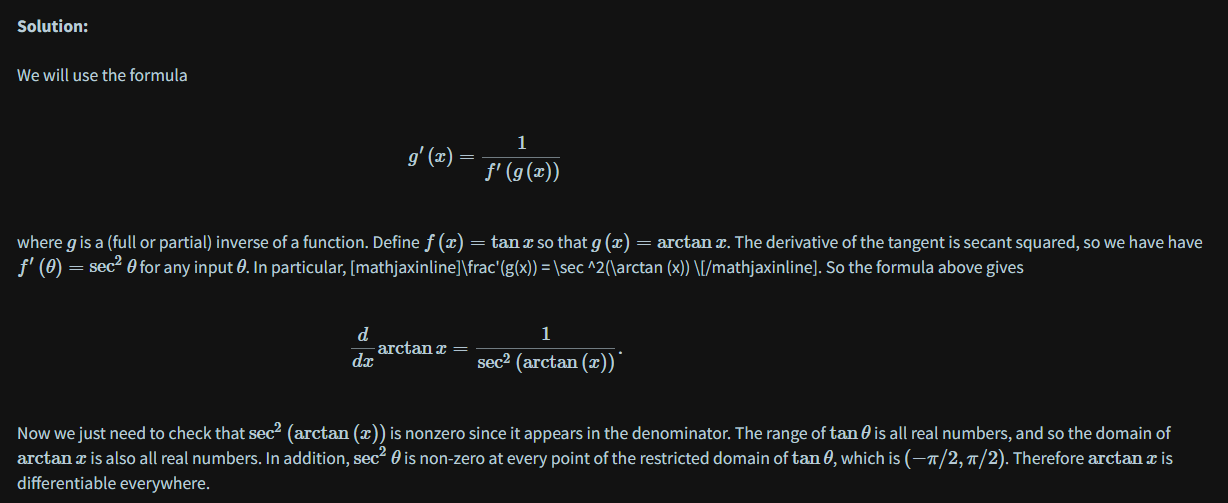
Notation

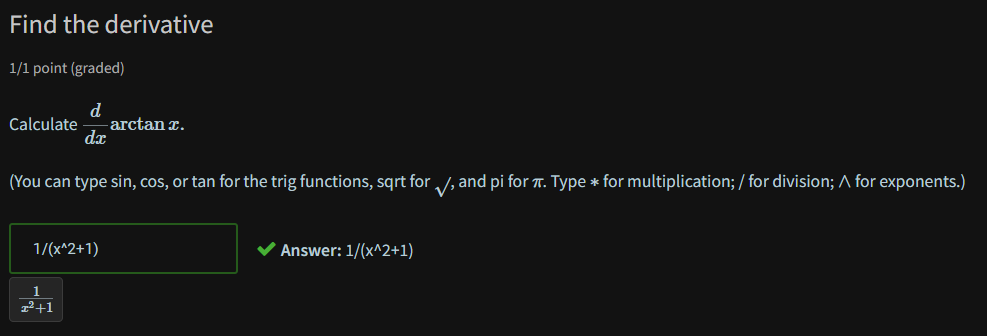


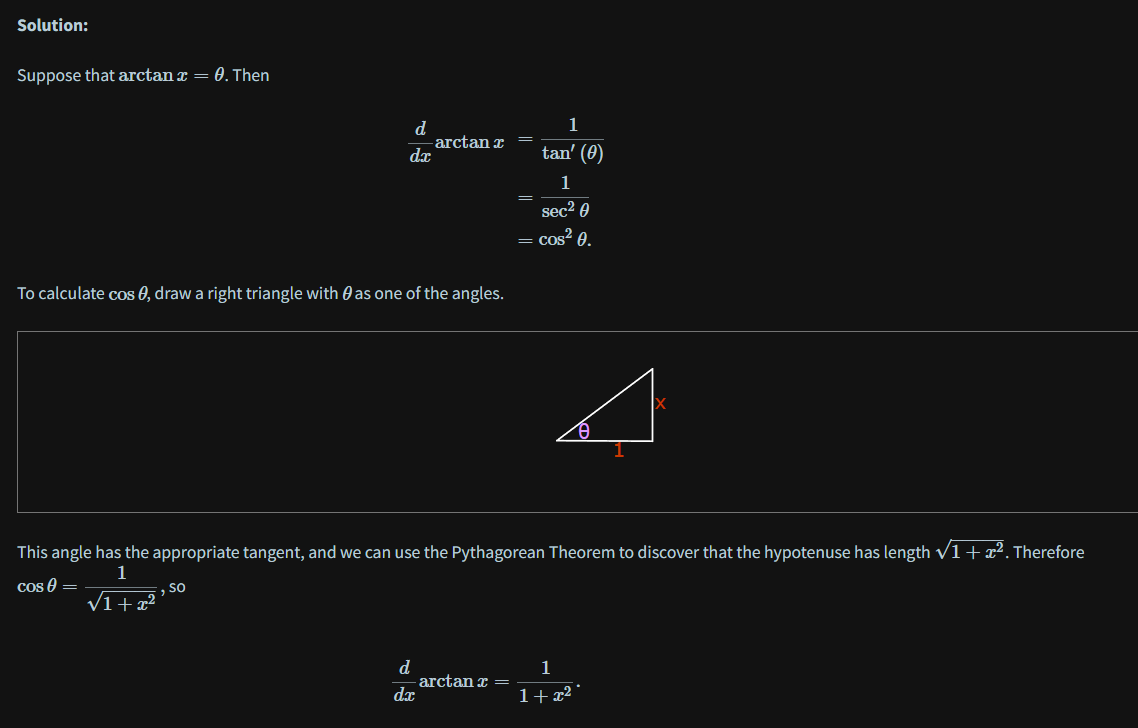


Arctan

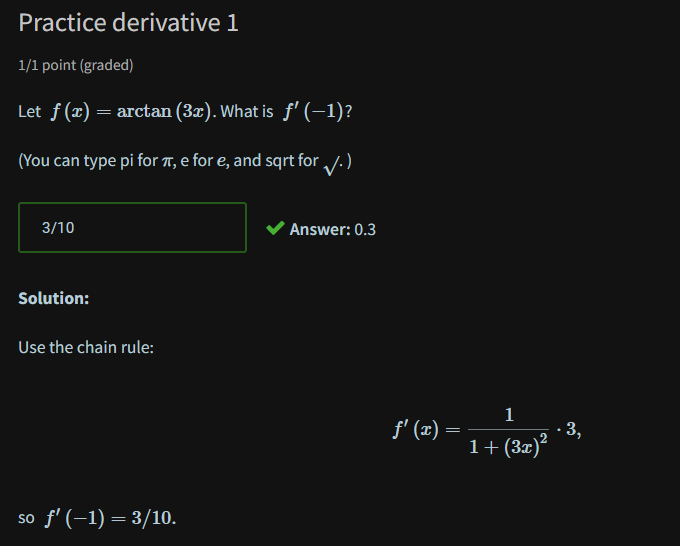


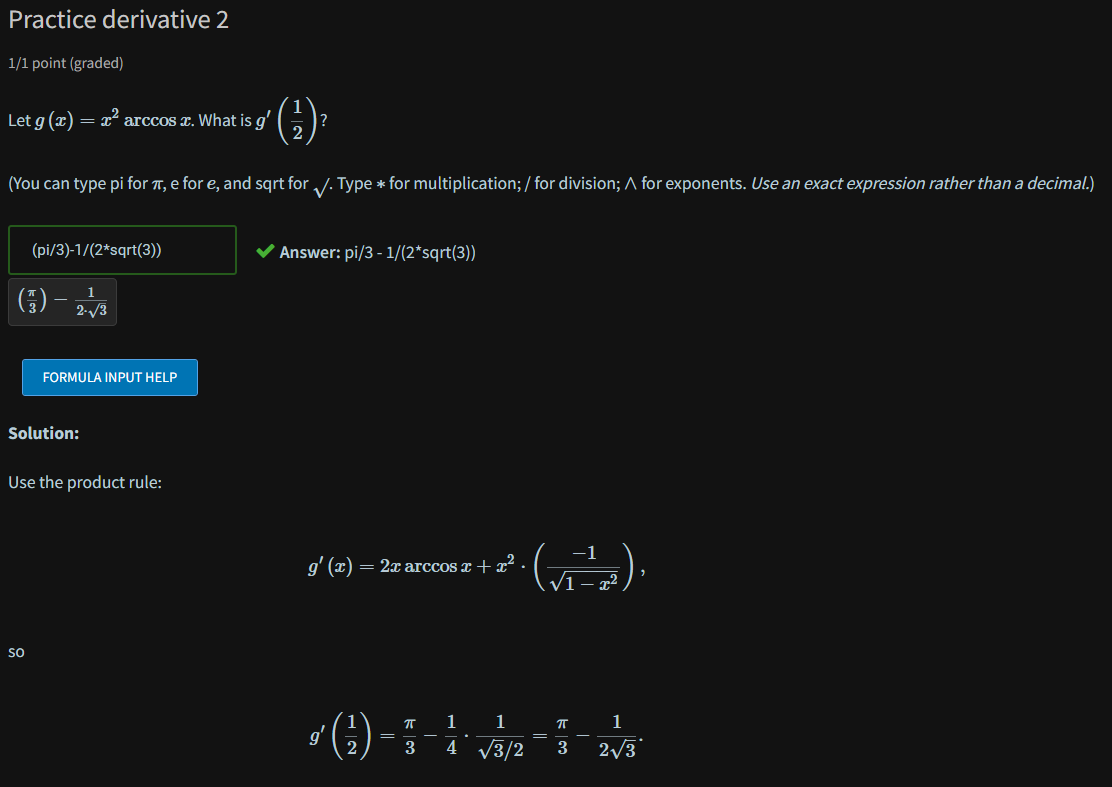


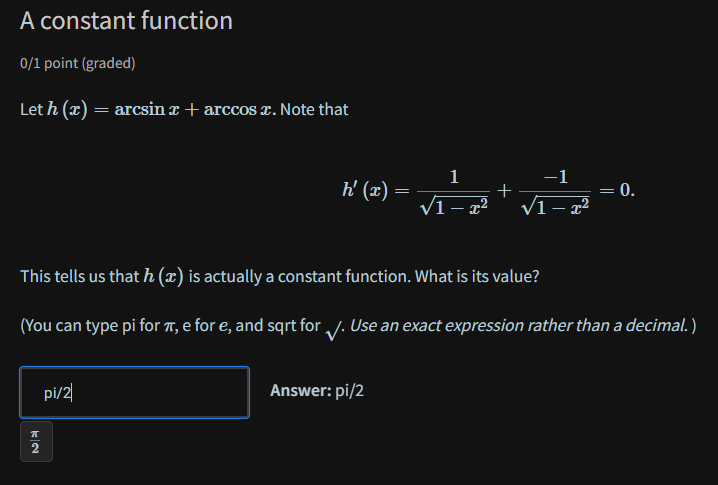


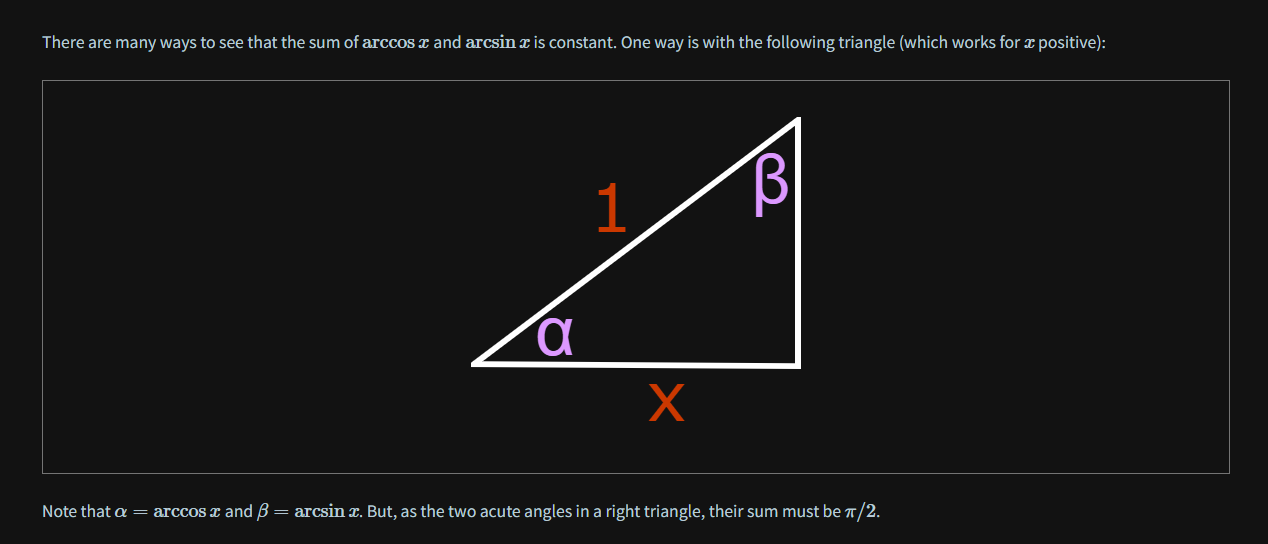


Final practice









pi (total angle of triangle) – pi/2 (right angle) = pi/2

alpha + beta must be pi/2