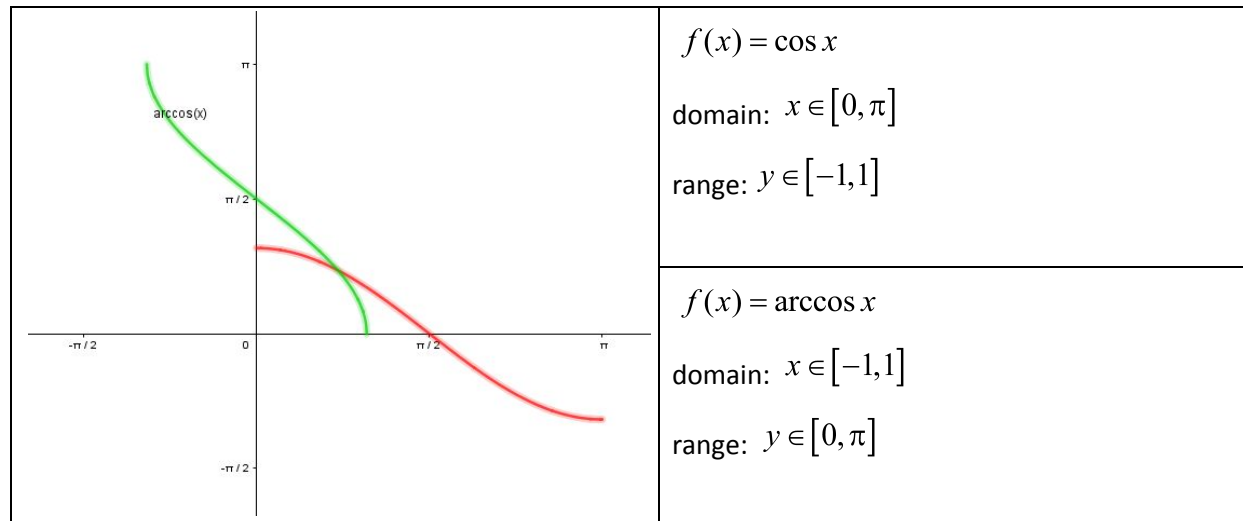


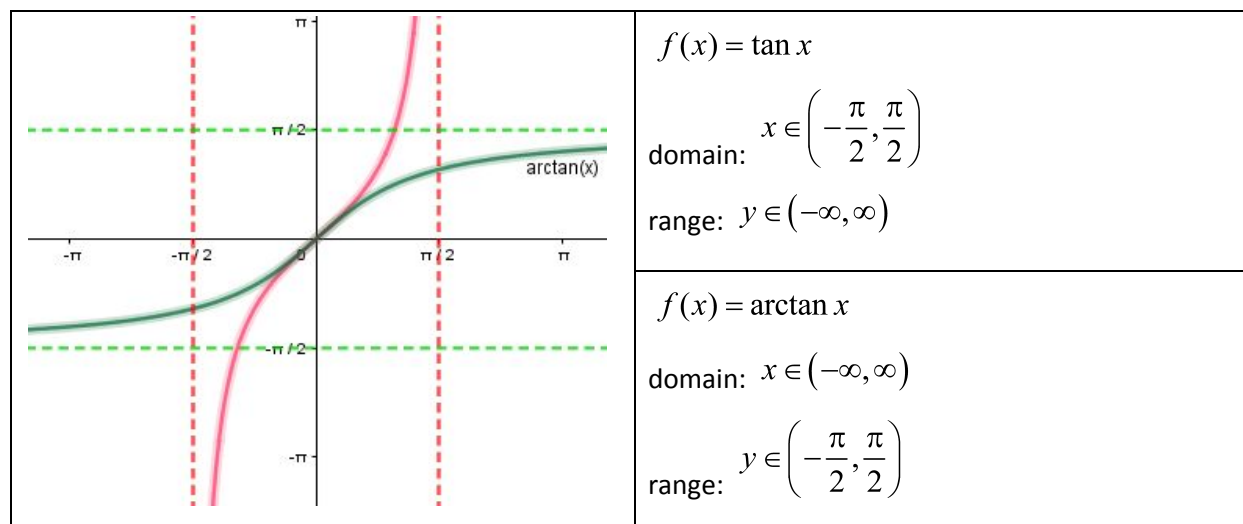
Class Discussion

Unit 4 Topic 7 Part 2 arccosine and arctangent

$\cos x$ and $\arccos x$



$\tan x$ and $\arctan x$



Ex 1: Evaluate

(a) $\arctan(-\sqrt{3})$

(b) $\arccos\left(-\frac{\sqrt{2}}{2}\right)$

Ex 2: Evaluate

(a) $\cos\left(\arctan 1 + \arccos\left(-\frac{\sqrt{2}}{2}\right)\right)$

(b) $\arccos\left(\tan\left(\arcsin\left(\frac{\sqrt{2}}{2}\right)\right)\right)$