Inverse Trig. Functions: examples (2)
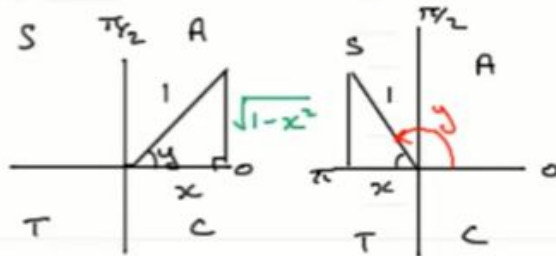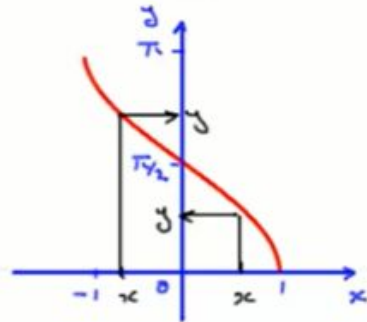
iii) Find the exact value of $\tan(\arccos x)$

let $y = \arccos x$

$\therefore \cos y = x$

$\therefore \tan y = \dfrac{\sqrt{1-x^2}}{x}$

$\therefore \tan(\arccos x) = \dfrac{\sqrt{1-x^2}}{x}$

With the acknowledgement of Exam Solutions.
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