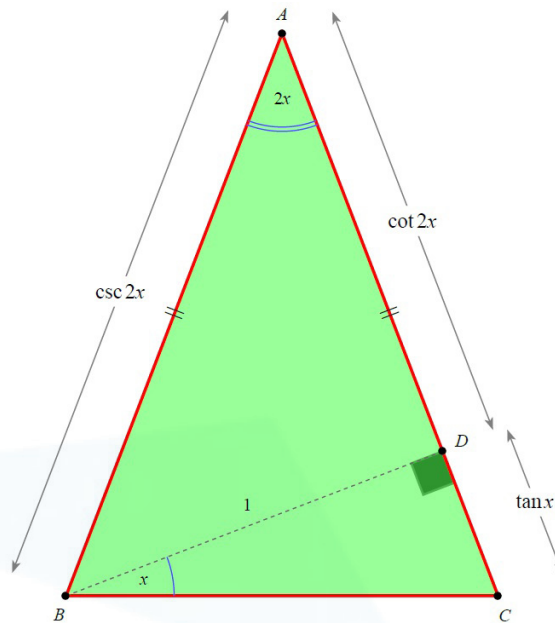


Geometric Proof of a Trigonometric Identity

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The following diagram is a “proof without words” (also known as a ‘visual proof’) for the trigonometric identity

$$\csc 2x = \cot 2x + \tan x.$$



Keywords: Identity, trigonometry, visual proof



The **COMMUNITY MATHEMATICS CENTRE** (CoMaC) is an outreach arm of Rishi Valley Education Centre (AP) and Sahyadri School (KFI). It holds workshops in the teaching of mathematics and undertakes preparation of teaching materials for State Governments and NGOs. CoMaC may be contacted at shailesh.shirali@gmail.com.