



Air maths tuition

Interact, engage and perform

Trigonometric Identities to Prove 3

Prove $\frac{\cos A}{\sin A} + \tan A \equiv \frac{1}{\sin A \cos A}$

Proof: $\frac{\cos A}{\sin A} + \tan A \equiv \frac{\cos A}{\sin A} + \frac{\sin A}{\cos A}$

$$\equiv \frac{\cos^2 A + \sin^2 A}{\sin A \cos A}$$

$$\equiv \frac{1}{\sin A \cos A}$$



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