

The Weekly Rigor

No. 383

“A mathematician is a machine for turning coffee into theorems.”

October 23, 2021

Verifying Trigonometric Identities with Simple Arguments Involving the Product of Three Trigonometric Functions: Problems with Solutions (Part 8)

33. $\sin \theta \cdot \sec \theta \cdot \cot \theta = \sin^2 \theta + \cos^2 \theta.$

34. $\cos \theta \cdot \csc \theta \cdot \tan \theta = \sin^2 \theta + \cos^2 \theta.$

35. $\sin \theta \cdot \cos \theta \cdot \tan \theta = 1 - \cos^2 \theta.$

36. $\cos \theta \cdot \sin \theta \cdot \cot \theta = 1 - \sin^2 \theta.$

“Only he who never plays, never loses.”

Written and published every Saturday by Richard Shedenhelm

WeeklyRigor@gmail.com