

The Weekly Rigor

No. 396

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

January 22, 2022

Verifying Trigonometric Identities with Simple Arguments Involving the Product of Three Trigonometric Functions: Problems with Solutions (Part 21)

85. $\cos \theta \cdot \sec \theta \cdot \tan \theta = \tan \theta \cdot \tan \theta \cdot \cot \theta.$

86. $\sin \theta \cdot \sec \theta \cdot \csc \theta = \cos \theta \cdot \sec \theta \cdot \sec \theta.$

87. $\sin \theta \cdot \sec \theta \cdot \csc \theta = \cot \theta \cdot \sec \theta \cdot \tan \theta.$

88. $\cos \theta \cdot \sec \theta \cdot \sec \theta = \cot \theta \cdot \sec \theta \cdot \tan \theta.$

“Only he who never plays, never loses.”

Written and published every Saturday by Richard Shedenhelm

WeeklyRigor@gmail.com