

The Weekly Rigor

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

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Verifying Trigonometric Identities with Simple Arguments Involving the Product of Three Trigonometric Functions: Problems with Solutions (Part 19)

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

78. $\sin \theta \cdot \sin \theta \cdot \csc \theta = \sin \theta \cdot \tan \theta \cdot \cot \theta.$

79. $\sin \theta \cdot \cos \theta \cdot \sec \theta = \sin \theta \cdot \tan \theta \cdot \cot \theta.$

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

“Only he who never plays, never loses.”