

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 6)

25. $\sin \theta \cdot \cos \theta \cdot \tan \theta = \sin^2 \theta.$

26. $\cos \theta \cdot \sin \theta \cdot \cot \theta = \cos^2 \theta.$

$$27. \sin \theta \cdot \tan \theta \cdot \sec \theta = \tan^2 \theta.$$

$$28. \cos \theta \cdot \cot \theta \cdot \csc \theta = \cot^2 \theta.$$

“Only he who never plays, never loses.”

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