

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 4)

17. $\tan \theta \cdot \tan \theta \cdot \cot \theta = \tan \theta.$

18. $\cot \theta \cdot \cot \theta \cdot \tan \theta = \cot \theta.$

19. $\sin \theta \cdot \sin \theta \cdot \sec \theta = \sin \theta \cdot \tan \theta.$

20. $\cos \theta \cdot \cos \theta \cdot \csc \theta = \cos \theta \cdot \cot \theta.$

“Only he who never plays, never loses.”