Verifying Trigonometric Identities with Simple Arguments Involving the Product of Two Trigonometric Functions: Problems with Solutions
(Part 6)

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

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

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

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