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Hint 18: Sub in 1

Verify that each equation is an identity.

$$13. \tan A = \frac{\sec A}{\csc A}$$

$$14. \cos \theta = \sin \theta \cot \theta$$

$$15. \sec x - \tan x = \frac{1 - \sin x}{\cos x}$$

$$16. \frac{1 + \tan x}{\sin x + \cos x} = \sec x$$

$$17. \sec x \csc x = \tan x + \cot x$$

$$18. \sin \theta + \cos \theta = \frac{2 \sin^2 \theta - 1}{\sin \theta - \cos \theta}$$

$$23. \csc x - 1 = \frac{\cot^2 x}{\csc x + 1}$$

$$20. (\sin \theta - 1)(\tan \theta + \sec \theta) = -\cos \theta$$

$$25. \sin \theta \cos \theta \tan \theta + \cos^2 \theta = 1$$

$$24. \cos B \cot B = \csc B - \sin B$$

$$26. (\csc x - \cot x)^2 = \frac{1 - \cos x}{1 + \cos x}$$