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Trigonometry Worksheet: Verify Identities (3)

Verify the identities

1.
$$\csc x + \cot x = \frac{\sin x}{1 - \cos x}$$

2.
$$\frac{\sin x \cos y + \cos x \sin y}{\cos x \cos y - \sin x \sin y} = \frac{\tan x + \tan y}{1 - \tan x \tan y}$$

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