tan x

$$(\sin x + \cos x)^2 + (\sin x - \cos x)^2$$

2

$$\frac{\sec x + \csc x}{1 + \tan x}$$

csc x

$$\frac{\cos x}{1+\sin x}+\frac{1+\sin x}{\cos x}$$

2sec x

$$\frac{\sin x \cot x + \cos x}{2 \cot x}$$

sin x

$$\frac{\sec x - \csc x}{\sec x \csc x}$$

$$\mathbf{\sin x - \cos x}$$

$$\sin x\,(\tan x + \cot x)$$

$\sec x$

$$\sec x \; - \cos x \; - \sin x \tan x$$

0

$$\frac{\csc^2 x}{\cot x}$$

csc x sec x

$$\frac{1}{\sin x} - \frac{1}{\csc x}$$

cot x cos x

$$\frac{1}{\tan x} + \frac{1}{\cot x}$$

$$\mathbf{\tan x + \cot x}$$

$$2 - \sec^2 x$$

$$\mathbf{1 - \tan^2 x}$$

$$(1 + \sin x)(1 - \sin x)$$

$$\mathbf{cos^2 x}$$

$$(\csc x - \cot x)(\sec x + 1)$$