

C12 - 6.2 - Add Subtract Fractions WS

Simplify

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

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

$$\cot x + \csc x$$

$$\sec x + \tan x$$

$$\sin x + \csc x$$

$$\sin x + \sec x$$

$$\cos x + \sec x$$

$$\cos x + \csc x$$

$$\sin x - \sec x$$

$$\cos x - \cot x$$

$$\cos x + \sin x \tan x$$

$$\sin x + \cos x \cot x$$

C12 - 6.2 - Add Subtract Fractions Pythag WS

Simplify

$$\csc x - \cot x \cos x$$

$$\sec x - \tan x \sin x$$

$$\csc x \cos^2 x + \sin x$$

$$\sec x \sin^2 x + \cos x$$

$$1 + \frac{\sin^2 x}{\cos^2 x}$$

$$\frac{1}{\cos^2 x} - 1$$

$$1 - \frac{1}{\sec^2 x}$$

$$\frac{1}{\sin^2 x} - 1$$

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

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

C12 - 6.2 - Add Subtract Fractions Pythag WS

Simplify

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

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

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

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

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

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

C12 - 6.2 - Add Subtract Fractions Complex WS

Simplify

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

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

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

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

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

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

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

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

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

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