

1 2 3 4 5 6 7 8 9 10 11 12
 LOWEST SCORE!!



5.1 Practice

HOT DICE!

Group Members:

<p>1.</p> <p>a. $\csc x \tan x = \frac{1}{\sin x} \cdot \frac{\sin x}{\cos x} = \sec x$</p> <p>b. $\cos^2 a \csc a \sec a = \cos^2 a \cdot \frac{1}{\sin a} \cdot \frac{1}{\cos a} = \cot a$</p>	<p>1.</p> <p>a. $\sec x$</p> <p>b. $\cot a$</p>
<p>2.</p> <p>a. $\tan^2 x - \sec^2 x = \boxed{-1}$ $1 + \tan^2 x = \sec^2 x$ $\tan^2 x - \sec^2 x = -1$</p> <p>b. $\sin(-x)\csc(-x) = -\sin x \cdot -\csc x = \sin x \cdot \frac{1}{\sin x}$</p>	<p>2.</p> <p>a. -1</p> <p>b. 1</p>
<p>3.</p> <p>a. $\frac{1}{1-\sin x} + \frac{1}{1+\sin x} = \frac{1+\sin x + 1-\sin x}{1-\sin^2 x} = \frac{2}{\cos^2 x}$</p>	<p>3.</p> <p>a. $2\sec^2 x$</p>
<p>4.</p> <p>a. $\frac{\sec x - \cos x}{\sec x} = \frac{\sec x}{\sec x} - \frac{\cos x}{\sec x} = 1 - \cos x \cdot \cos x = 1 - \cos^2 x$</p> <p>b. $\frac{\sec x}{\csc x} = \sec x \cdot \frac{1}{\csc x} = \frac{1}{\cos x} \cdot \sin x = \tan x$</p>	<p>4.</p> <p>a. $\sin^2 x$</p> <p>b. $\tan x$</p>
<p>5.</p> <p>a. $\sin x + \cot x \cos x = \sin x + \frac{\cos x \cdot \cos x}{\sin x}$ $\frac{\sin^2 x}{\sin x} + \frac{\cos^2 x}{\sin x} = \frac{1}{\sin x}$</p>	<p>5.</p> <p>a. $\csc x$</p>