Task #2 – Trig Identities "Pick Up Sticks!"

$\tan^2 x + 1$ $\cos^2 x - \sin^2 x$

$\cdot \tan^2 x$

$1 + \cot^2 x$

$- \sin x$

$1 - \sin^2 x$

$\cdot 4 \csc x$

$\dfrac{\sin^2 x}{\cos^2 x}$

$\cos(2x)$

$\cos(-x)$

$2 \sin x \cos x$

$3 \sec x \qquad \dfrac{4}{\sin x}$

$\sin(x-y)$

$\sec^2 x$

$5 \sin x \csc x \quad \sin(x+y) \quad \cos(x+y)$

$\cos^2 x$

$\csc^2 x$

$\cos x \cos y - \sin x \sin y$

$\tan(-x)$

$-\tan x \cdot$

$\sin x \cos y - \cos x \sin y$

$7 \tan x \cot x$

$4 \cot x$

$\sin(-x)$

$\sin x \cos y + \cos x \sin y$

$\dfrac{4 \cos x}{\sin x}$

$\cdot 7$

$\dfrac{3}{\cos x} \cdot \qquad \sin(2x)$

$\cos x \qquad \cdot 5$