

Simplifying Trig Expressions
and
Verifying Trig Identities



We did both activities last unit ...
now we will just include our new
sum & difference identities!

Ex.1 - Simplify:

$$\sin\left(\frac{\pi}{2} - \theta\right)$$

Ex.2 - Simplify:

$$\cos\left(\frac{\pi}{6} - \theta\right) + \cos\left(\frac{\pi}{6} + \theta\right)$$

Ex.3 - Verify:

$$\tan(\pi - x) - \tan(\pi + x) = -2 \tan x$$