9.5 Sum and Difference Properties 3 Notes

EQ: How do I prove trig expressions with composite arguments are equivalent?

How do I use sum and difference properties for proofs?

Prove $\cos(x-\pi) = -\cos x$

Prove $\csc\left(x-\frac{\pi}{2}\right) = -\sec x$

Prove $\frac{\sin(x-y)}{\cos x \cos y} = \tan x - \tan y$

Summary