Group Work - Worksheet

#1) \(\sin u \csc u - \cos^2 u = \sin^2 u\)

#2) \(1 - \frac{\sin^2 \theta}{1 - \cos \theta} = -\cos \theta\)

#3) \(\frac{\cos \theta}{1 + \tan \theta} + \frac{\sin \theta}{1 - \cot \theta} = \sin \theta + \cos \theta\)

#4) \(\tan^2 \theta \cos^2 \theta + \cot^2 \theta \sin^2 \theta = 1\)

#5) \(1 - \frac{\tan^2 \theta}{1 + \tan^2 \theta} + 1 = 2 \cos^2 \theta\)

#6) \(\sec \theta - \cos \theta = \sin \theta + \tan \theta\)

#7) \(\frac{1}{1 - \sin \theta} + \frac{1}{1 + \sin \theta} = 2 \sec^2 \theta\)

#8) \(9 \sec^2 \theta - 5 \tan^2 \theta = 5 + 4 \sec^2 \theta\)

#9) \(\frac{(\sec v - \tan v)^2}{\csc v (\sec v - \tan v)} + 1 = 2 \tan v\)

#10) \(\frac{\sin^3 \theta + \cos^3 \theta}{\sin \theta + \cos \theta} = 1 - \sin \theta \cos \theta\)