

Name _____ Banner _____

Fall 2007

Quiz #10

Precalculus

#1) Prove the identity: $\frac{1 + \tan^2 \theta}{1 - \tan^2 \theta} \equiv \frac{1}{1 - 2 \sin^2 \theta}$

#2) Prove the identity: $-\frac{\sin^3(-\theta)}{1+\cos(-\theta)} \equiv -\frac{\tan(-\theta)}{\sec(-\theta)} + \sin(-\theta)\cos(-\theta)$
