

NAME _____

3 April 2009

MATH 124 — QUIZ VIII

Verify (well, “prove”) either one of the identities

$$\boxed{A} \quad \tan \theta + \cot \theta = \sec \theta \csc \theta \quad \text{or} \quad \boxed{B} \quad \frac{\tan \theta - \cot \theta}{\tan^2 \theta - \cot^2 \theta} = \sin \theta \cos \theta .$$

You must make it completely clear what you are doing.