Quiz 8   Algebra & Trig   4/30/2003

Each problem is worth 5 points. For full credit provide complete justification for your answers.

1. State the sum identity for sine, i.e. the one that says

$$\sin(x + y) =$$

2. Verify the trig identity $\tan^2 x - \sin^2 x = \tan^2 x \sin^2 x$.