

QUIZ 13

Name _____

1. Suppose we know that $\sin(\theta) = \frac{1}{2}$ and that $\frac{\pi}{2} \leq \theta \leq \pi$. (Do you know what θ is?) Find $\cos(\theta)$ and $\sec(\theta)$

2. Show that $\cos(x) - \cos(x)\sin^2(x) = \cos^3(x)$ is true.

3. Decide whether or not $\frac{\sin(x-y)}{\sin(x)\cos(y)} = 1 - \cot(x)\tan(y)$ is true.