Pythagorean Identities and Solving Equations   Name:

Practice A

Given one ratio, find the other **2** ratios.

1. $\tan \theta = \frac{-4}{3}$ and $\sin \theta$ is positive.

2. $\cos \theta = \frac{-5}{13}$ and $\tan \theta$ is positive.

3. $\tan \theta = \frac{5}{8}$ and $\sin \theta$ is positive.

4. $\sin \theta = \frac{-12}{13}$ and $\tan \theta$ is positive.

5. Given $\sin \theta = \frac{-4}{5}$, what are all possible values for $\cos \theta$ and $\tan \theta$?