

Name: _____

This quiz covers: 5.1, 5.2, 5.3.

Directions: Complete all question and **show all applicable work.** Partial credit will be given. All questions are equally weighted.

1.) If $\cos \theta = \frac{3}{5}$ and $\tan \theta < 0$, find $\sin \theta$. Express your answer as a fraction.

2.) Find the reference angle for each of the following:

a.) 48°

b.) $\frac{3\pi}{4}$

c.) $\frac{4\pi}{3}$

d.) 320°

3.) Compute $\cos \frac{5\pi}{6}$. Express your result exactly, not as a decimal (ie. do not use your calculator).