

Name : \_\_\_\_\_

Sheet 1

## Quotient Identities

1) If  $\sin x = \frac{3}{5}$  and  $\cos x = \frac{4}{5}$ ,  
find  $\tan x$ .

2) If  $\tan x = \frac{16}{63}$  and  $\sin x = \frac{16}{65}$ ,  
find  $\cos x$ .

3) If  $\tan x = -\frac{12}{5}$  and  $\cos x = \frac{5}{13}$ ,  
find  $\sin x$ .

4) If  $\cos x = \frac{60}{61}$  and  $\cot x = \frac{60}{11}$ ,  
find  $\sin x$ .

5) If  $\sin x = \frac{39}{89}$  and  $\cot x = -\frac{80}{39}$ ,  
find  $\cos x$ .

6) If  $\cos x = -\frac{\sqrt{13}}{7}$  and  $\sin x = -\frac{6}{7}$ ,  
find  $\cot x$ .