

Name: _____

QUIZ 12
305G 11-14-08

(1) In the interval $[-\frac{\pi}{2}, \frac{\pi}{2}]$ the function $f(\theta) = \tan(\theta)$ has a zero at $\underline{x=}$ _____
and has vertical asymptotes $\underline{x=}$ _____ and $\underline{x=}$ _____ .

(2) Use the diagram below to determine the values (real numbers) A , B , C ,
and D .

A =

B =

C =

D =

(3) Complete the following table by filling in the values of the six trigonometric functions at the specified angles.

θ	$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$
$\sin(\theta)$				
$\cos(\theta)$				
$\tan(\theta)$				
$\csc(\theta)$				
$\sec(\theta)$				
$\cot(\theta)$				