EQUATION

f(x) = sin x	f(x) = cos x	f(x) = tan x
f(x) = csc x	f(x) = sec x	f(x) = cot x

DESCRIPTION

 The graph of this function has amplitude 1 and period 2π It is a shift of the cosine graph. 	 The graph of this function has vertical asymptotes when sin(x) =0 	 The graph of this function has vertical asymptotes when sin(x) =0
 The graph of this function has vertical asymptotes when cos(x) =0 	 The graph of this function has amplitude 1 and period 2π. It is a shift of the sine graph. 	 The graph of this function has vertical asymptotes when cos(x) =0

PERIOD

π	2π	2π
2π	2π	2π





EQUIVALENT TO:

$f(x) = \frac{1}{\cos x}$	$f(x) = \frac{1}{\sin x}$	$f(x) = \frac{1}{\sec x}$
$f(x) = \frac{\sin x}{\cos x}$	$f(x) = \frac{\cos x}{\sin x}$	$f(x) = \frac{1}{\csc x}$

GRAPHS OF TRIGONOMETRIC FUNCTIONS

FUNCTION DOMAIN RANGE PERIOD

Attach Graph here

EQUIVALENT TO:

Does this function have vertical asymptotes? If so what are they? Show or explain how you arrived at your answer._