

Name _____ Banner _____

Fall 2007

Quiz #7

Precalculus

#1) Evaluate the following functions for the given values.

A) $\sin(\pi/3) =$

B) $\cos(-45^\circ) =$

C) $\tan(4\pi/8) =$

d) $\cot(-270^\circ) =$

e) $\sec(-2\pi/3) =$

f) $\csc(750^\circ) =$

g) $\sin(-300^\circ) =$

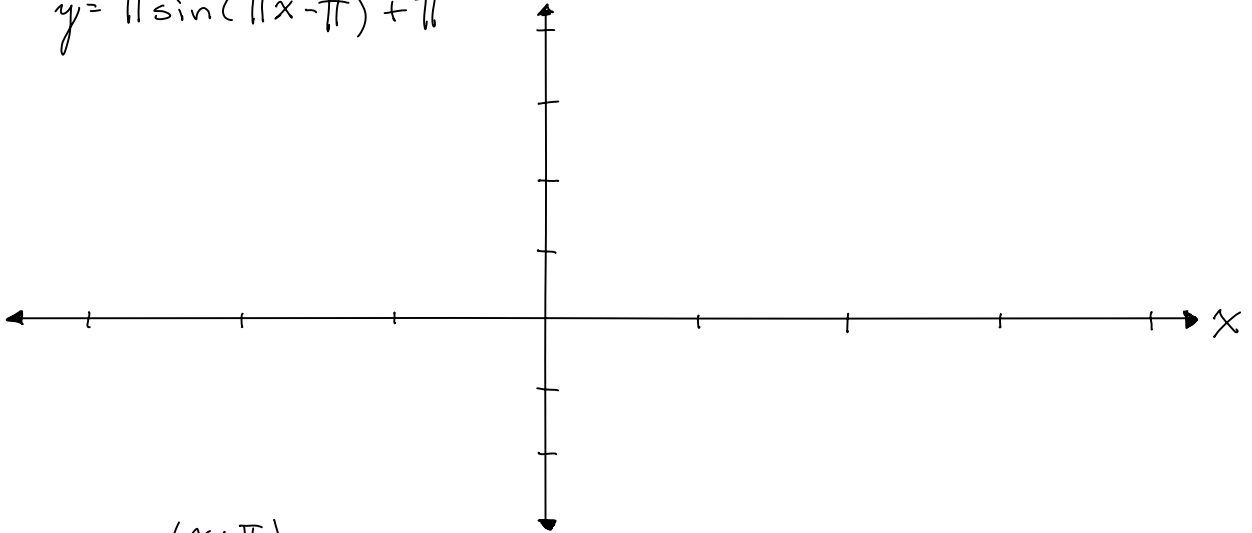
h) $\cos(-8\pi/2) =$

i) $\sin(-120^\circ) =$

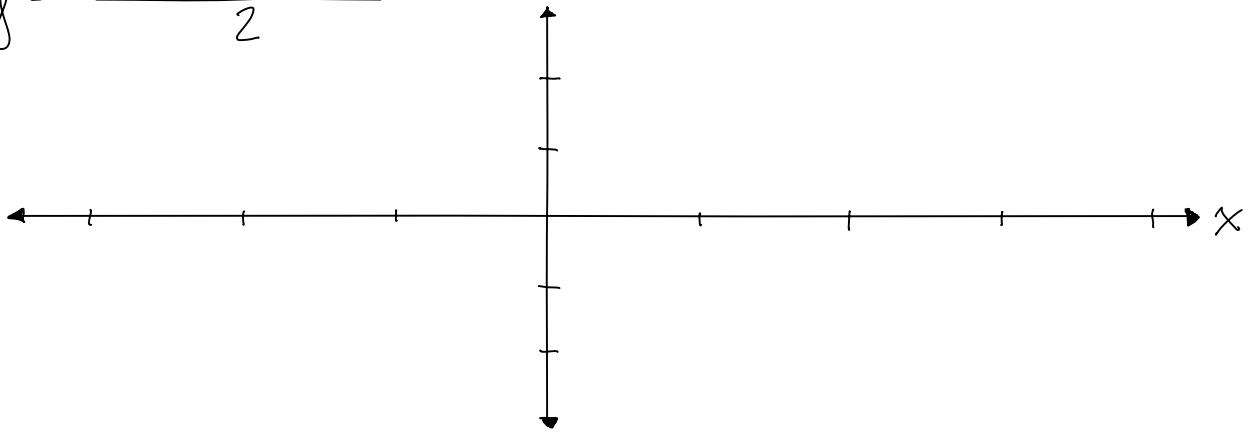
j) $\tan(-765^\circ) =$

#2) Graph the following:

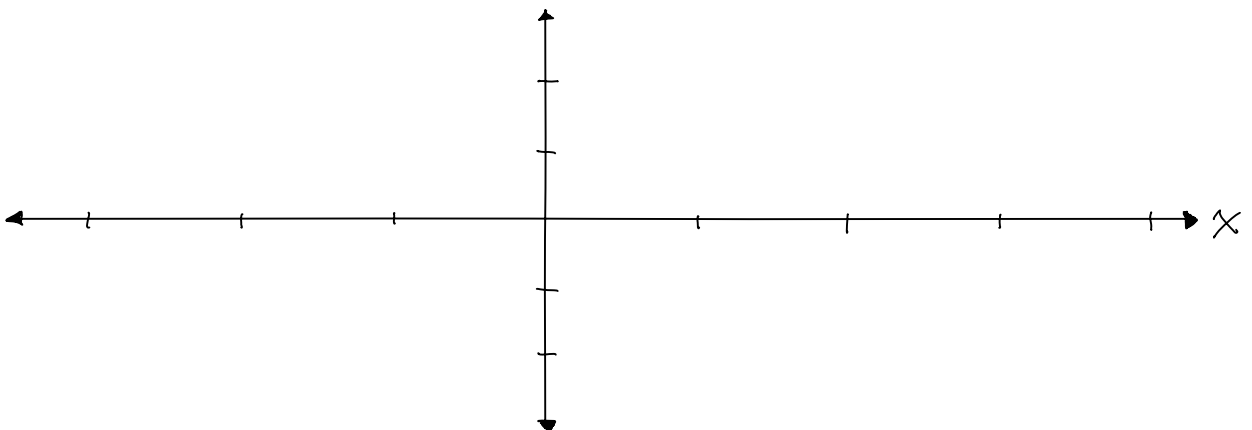
A) $y = \pi \sin(\pi x - \pi) + \pi$



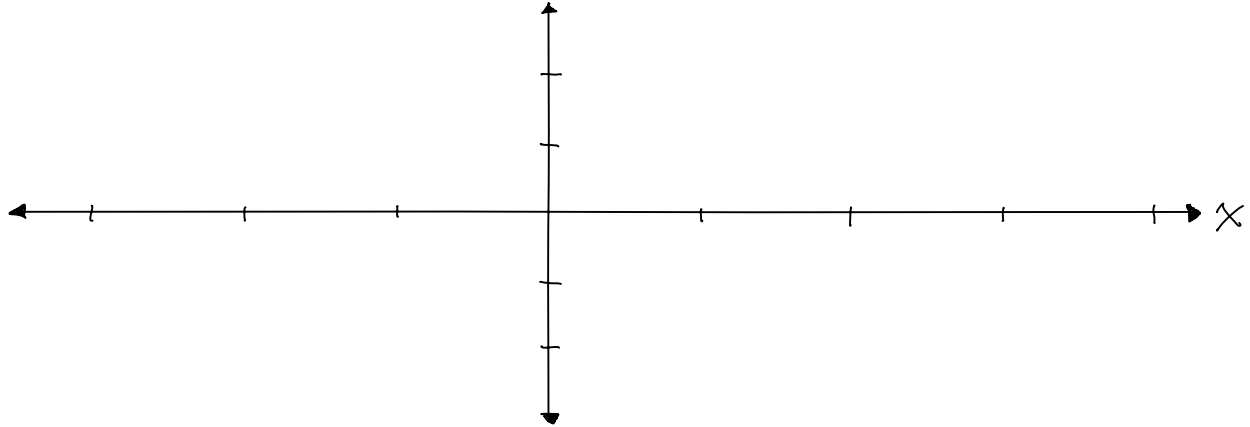
B) $y = \frac{\cos\left(\frac{x+\pi}{2}\right) + 2}{2}$



C) $y = 3 \tan(2x) + 1$



$$d) y = -\cot(x + \pi/2)$$



Extra Credit: Name some of Pythagoras' achievements other than the Pythagorean Theorem. Give as much detail as you can. Points are awarded based on the quality of your answer.