MATH110 - College Trigonometry

Long Quiz 002

$\sec^2\Theta + \tan^2\Theta = 1$
=False

What is the range of y = cos x?
={y|yER,-1<=y<=1}

If sec A < 0, then sin A < 0
=False

A cosine function has only one y-intercept
=True

What is the y-intercept of y = sin x?
=0

sin(A)/(2)=+-\sqrt((1+cosA)/(2))
=False

tanA=(4)/(3),tanB=(8)/(15)
=84/13

The function y =sin x is an odd function
=True

What is the value of $\csc^2\Theta - 3 - \cot^2\Theta$?
=-2

Which of the following is equal to $\sin^2\Theta$?
=(1)/(csc^(2)\theta)

The y-intercept of y = sin x is 1
=False

Which of the following expressions has a product of 1?
=csc Θ sin Θ

If sec A < 0, then sin A < 0
=False

If csc\theta =-(41)/(9) is in QIV, then what is cos Θ?
=40/41

Which of the following is the reciprocal of sec Θ?
= cos Θ

Which of the following is a characteristic of y = –5sin x?
=Its amplitude is 5

What is the period of the graph of y = cos 2x?
=π

Find the exact value of tan. (\pi)/(12)=(\pi)/(3)-(\pi)/(4)
=(\sqrt(3)+1)/(\sqrt(3+1))

sin (2π – y) = ?
=sin 2π cos y – cos 2π sin y

What are the x-intercepts of y = cos x?
=(k\pi)/(2), where k is an odd integer

Given that f(x) = cos x. What isf(-(\pi)/(3))
=1/2

The reciprocal of tangent is cotangent
=True

tan (x + y) = ?
=(tan(x)+tan(y))/(1-tan(x)tan(y))

If sin A < 0 and cos A > 0, then sin 2A < 0
=True

Which of the following expressions is equivalent to cos (x + y)?
=cos x cos y – sin x sin y

A sine function is a periodic function
=True
if sin\theta =-(5)/(13) and Θ is in the fourth quadrant, then what is cos Θ?
=12/13

Which of the following expressions is equivalent to cos 2B?
=$\cos^2 B - \sin^2 B$

What is the product (sin Θ + cos Θ)(sin Θ + cos Θ)?
=1+2sin \theta cos\theta

If sin A=(5)/(13)and cosA>0, then what is sin (A)/(2)?
=(\sqrt(26))/(26)