MATH110 - College Trigonometry

FINAL EXAM

If csc\theta =-(41)/(9) and Θ is in the fourth quadrant, then what is tan Θ?
=-9/40

((1)/(sec\theta))((1)/(cot\theta))
=sin Θ

The cosecant of a point in the second quadrant is negative.
=True

Given that f(x) = sin x. What is f(-(\pi)/(4))
=-(\sqrt(2))/(2)

Which of the following angles has a terminal side at the fourth quadrant?
={(\pi)/(3)(5\pi)/(3)}

What is the sign of the secant of point L(–2, 7)
=negative

Which of the following angles is the supplement of 5pi/6
=(\pi)/(6)

Point H has coordinates (m, k). What is the value of sec H?
=(\sqrt(m^(2)+k^(2)))/(m)

sin(\pi)/(6)-cos(\pi)/(3)+tan(\pi)/(4)
=1

tan(A)/(2)=\pm \sqrt((1+cosA)/(2))
=False

The tangent of an angle is zero whenever its cosine is zero
=True

$\csc^2\Theta + \cot^2\Theta = 1$
=False

Which of the following statements is NOT TRUE about an angle in the standard position?
=Its initial side is on the positive x-axis

If the secant of H is positive while its tangent is negative, then in what quadrant is H located?
=QI

What iscot(\pi)/(3)
=(\sqrt(3))/(3)

tan(2A-(A)/(2))
=(3)/(2)tanA

If ,cos8\pi cos5\pi =(1)/(2)[cosk+cosm] then what is the value of m – k?
=–10π(not sure)

What is the value of sin((\pi)/(4)-(\pi)/(6))?
=(\sqrt(6)-\sqrt(2))/(4)

tan(5\pi)/(4)>sin(5\pi)/(3)
=True

Which of the following expressions is NOT equal to cosx/2
=-\sqrt((1+cosx)/(2))

Which of the following radian measures is equal to 1800°?
=10π

The sides of a triangle have measures 24, 48 and 36. What is the measure of the angle opposite the side with a measure of 36?
=46.57°(not sure)

Simplify (csc\theta -cot\theta)^(2)-2cot^(2)\theta
=1-2csc0cot0

Which of the following statements is TRUE about the graph of y = –2cos 2x?
=Its greatest value is 2

If cos A < 0, then tan A < 0
=True(not sure)

If cosA=-(8)/(17)and sinA>0, then what is tan A ?
=-15/8

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

Solve for x
=14.37(notsure)

In QII, three of the six trigonometric function values are positive.
=False

IfsinA=(3)/(5)and cosA=(4)/(5),then tan(A)/(2)=?
=1/3

What is the domain of y = cos x?
=x|x ER

How many solutions does the equation (tan\theta -1)(tan\theta +\sqrt(3))have if (\pi)/(2)<=\theta <=(3\pi)/(2)
=3

A triangle with sides 11, 4 and 8 is an oblique triangle.
=True

Using the right triangle below, what is $\sec^2 B - \cot A - \tan^2 B$?
=-7/5(not sure)

Solve a right triangle that has an angle of 35° and hypotenuse of 12.
= legs measure 8.40 and 8.57 and the other angle measures 55°(not sure)

Which of the following expressions must have come from the application of the Law of Cosines to a triangle?

=13^(2)=8^(2)+11^(2)-2(8)(13)cosP(notsure)

In right MPL,cscL=?
=sqrt\74/7(not sure)

Solve for x in the triangle below.
=3.45(not sure)

The reciprocal of cosecant is sine
=True

Solve $2\sec x - 1 = 0$ (where $0 \le x < 2\pi$)
={pi/4,3pi/4}(not sure)

What is tan(\pi)/(3)+sec(\pi)/(4)
=sqrt3+sqrt2

cos(\pi)/(3)-cos(2\pi)/(3)=0
=False

Given P(1, –2), determine csc P.
=2sqrt\5/5

Which of the following expressions is equivalent to tan 2B?
=(2tan B)/(1-tan^(2)B)

Which of the following will satisfy the equation y=sin-1(sqrt3/2)
=2pi/3(not sure)

Given the right triangle below, then which of the following statements is TRUE?
=Sinx b/e(not sure)

Which of the following angles is not a quadrantal angle?
=7pi/2(not sure)

A point P on the unit circle has coordinates -7/25,24/25 . What is sec P?
=-7/24(not sure)

Which of the following statements is NOT TRUE?
=cotA = adjacentleg/oppositeleg

(cosx+1)(2cosx -sqrt3)=0?
={pi/6}9not sure)