SCORE: / 20 POINTS

KEY

What month is your birthday?
What are the first 2 digits of your address?
What are the last 2 digits of your zip code?
What are the last 2 digits of your social security number?

[IF YOU DO NOT HAVE A SOCIAL SECURITY NUMBER.]

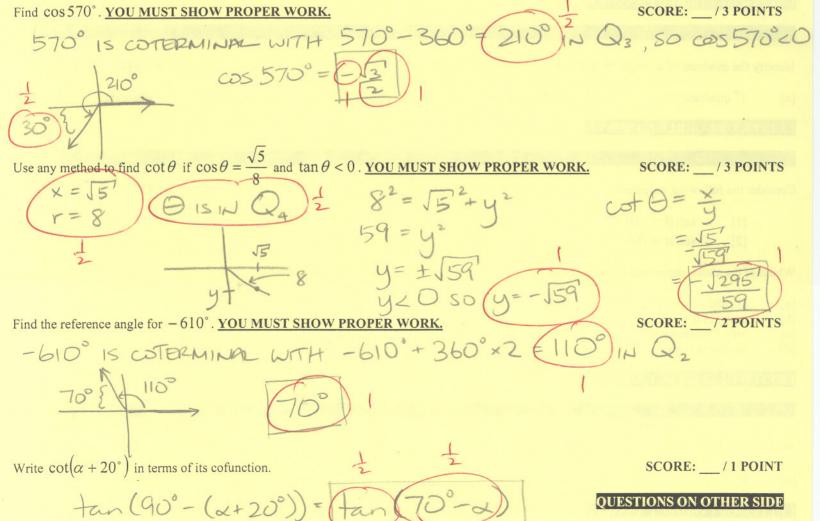
USE YOUR STUDENT ID NUMBER

Fill in the trigonometric function values.

SCORE: /3 POINTS

θ	$\sin \theta$	$\cos \theta$	Tan θ
0°	0	1	0
30°	1 2	131	<u>J3</u>
45°	52/2	12	
60°	532	-	137
90°	1	O	UNDEF

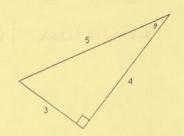
- FOR BACHERRER MINIMON: OPOINTS



Use an identity (NOT x, y and y) to find $\sec \theta$ if $\tan \theta = \frac{\sqrt{7}}{3}$ and θ is in the third quadrant.

SCORE: __/3 POINTS $= \frac{16}{9}$ $\sec \theta = \pm \frac{4}{3}$ SINCE θ is in θ and θ is in the third quadrant. $\cos \theta = \frac{1}{3}$ $\cos \theta = \frac{1}{3}$ $\cos \theta = \frac{1}{3}$

Multiple Choice – You do NOT need to show work



Find $\cos \theta$ in the figure.

SCORE: ___/1 POINT

[a] $\frac{3}{4}$ [b] $\frac{3}{5}$ [c] $\frac{4}{3}$ [d] $\frac{4}{5}$ [e] $\frac{5}{3}$ [f] $\frac{5}{4}$

LETTER OF CORRECT ANSWER:

Identify the quadrant of an angle θ if $\tan\theta>0$ and $\csc\theta<0$.

SCORE: ___/ 1 POINT

SCORE: / 1 POINTS

a] 1st quadrant

[b] 2nd quadrant

[c] 3rd quadrant

[d] 4th quadrant

LETTER OF CORRECT ANSWER:

Consider the following statements:

[1] $\tan \theta = 110.47$

[2] $\sec \alpha = 0.6$

Which of the above statements is/are possible?

[a] [1] and [2] are both possible

[b] only [1] is possible [c] only [2] is possible

[d] neither statement is possible

LETTER OF CORRECT ANSWER: B

 $\cot(-450^{\circ}) =$

SCORE: ___ / 2 POINTS

a] 0

[b]

[c] -1

[d] undefined