MATH 114: FALL 2021	QUIZ 1

You may use your homework solutions. I need to look at your class notes while you take this. You are allowed a 3x5 inch card of formulas. Thanks!

Problem 1: Suppose $\theta = \pi/8$ (in radians). Convert this angle to degrees.

Problem 2: Consider a circular arc which sweeps through a 120° arc. If the radius of the circle is $20\,cm$ then find:

    (a.) the arclength of the arc,

    (b.) the area of the sector,

Problem 3: Find the reference angle of $\theta = 300^o$,

Problem 4: If $\cos t = 1/3$ and t is an angle in quadrant III then find the exact value of $\sin t$.