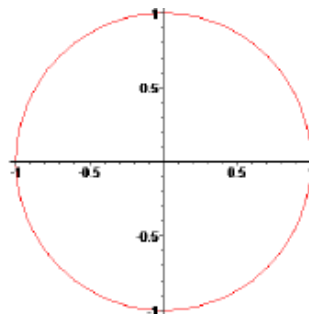Name:
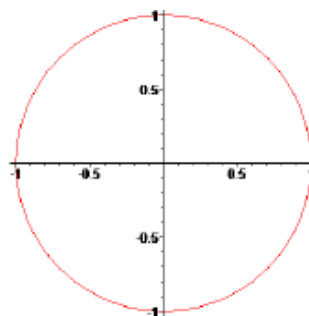
QUIZ – MATH GRADE 11

1. (30%) In each one of the cases Find and Sketch on the unit circle:
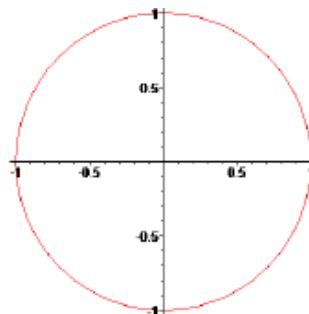
 a. (7%) $\mathrm{Sin}(225°) =$

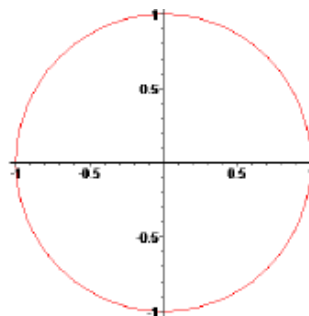 b. (7%) $\mathrm{Cos}(\dfrac{3\pi}{2})$

 c. (8%) $\mathrm{Tan}(\dfrac{11\pi}{6}) =$

 d. (8%) $\mathrm{Tan}(315°) =$

2. (20%) In each one of the cases Find (5%) and sketch (5%) on the unit circle:

    a. (10%) $Cos(189°) = Cos(\underline{\hspace{1.5cm}})$

    Angle found should be within $[0, 360°]$

    b. (10%) $Sin(343°) = Sin(\underline{\hspace{1.5cm}})$

    Angle found should be within $[0, 360°]$
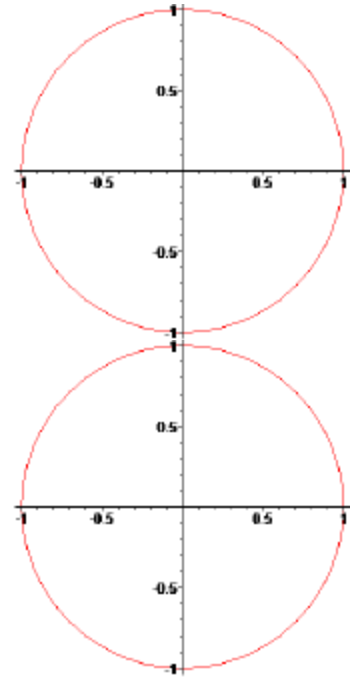
3. (25%) Given that $\cos(x) = \dfrac{2}{3}$

    a. (5%) The angle x can be in the _____ or _____ Quadrants.

Assume $\tan(x) < 0$, find

    b. (10%) $Sin(x) =$

    c. (10%) $Tan(x) =$

4. (25%) Given that, answer in terms of a and b, sketch on unit circle to show work.

    a. (8%) $Tan(-\theta) =$

    b. (8%) $Cos(\theta - 180°) =$

    c. (9%) $Cos(\theta + 270°) =$