CH. 8 PRACTICE FOR QUIZ (optional) **NAME:** **PER:**

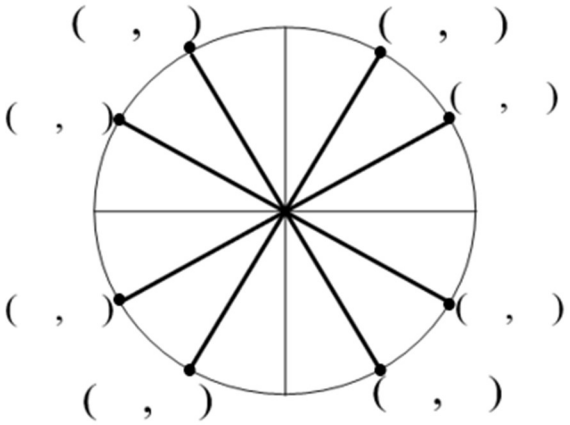
Label all radian values AND coordinates of each highlighted terminal point. **NO CALCULATOR!!!!**

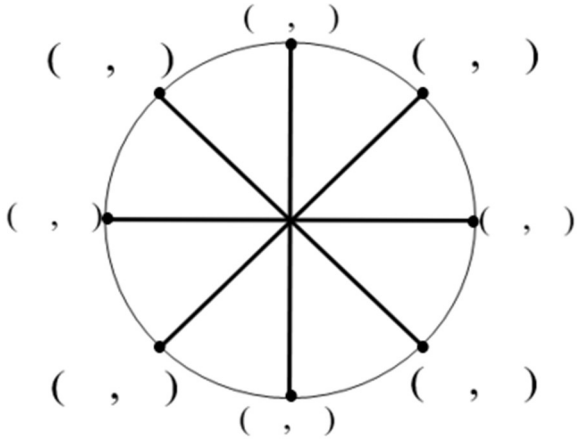
Define each function in terms of x and y, based on the unit circle with r = 1:

tan θ =

sin θ =

cos θ=





Fill in the blanks to complete the following equations/expressions that you will use to answer quiz questions:

r = $\sqrt{\_\_\_\_ + \_\_\_\_}$ **r²** = ____ + ____

y = r_____ **x = r** _____ tan θ = ——

argument = ___

modulus = ___

DeMoivre's Theorem:

$[r(\cos\theta + i\sin\theta)]^n$ = ___(cos __θ + *i* sin __θ)

Polar form of a complex number:

____(cosθ + *i* _____)

Reminder: Bring a charged Chromebook to class on Friday for the Quiz!!