

Name: \_\_\_\_\_

Date: \_\_\_\_\_

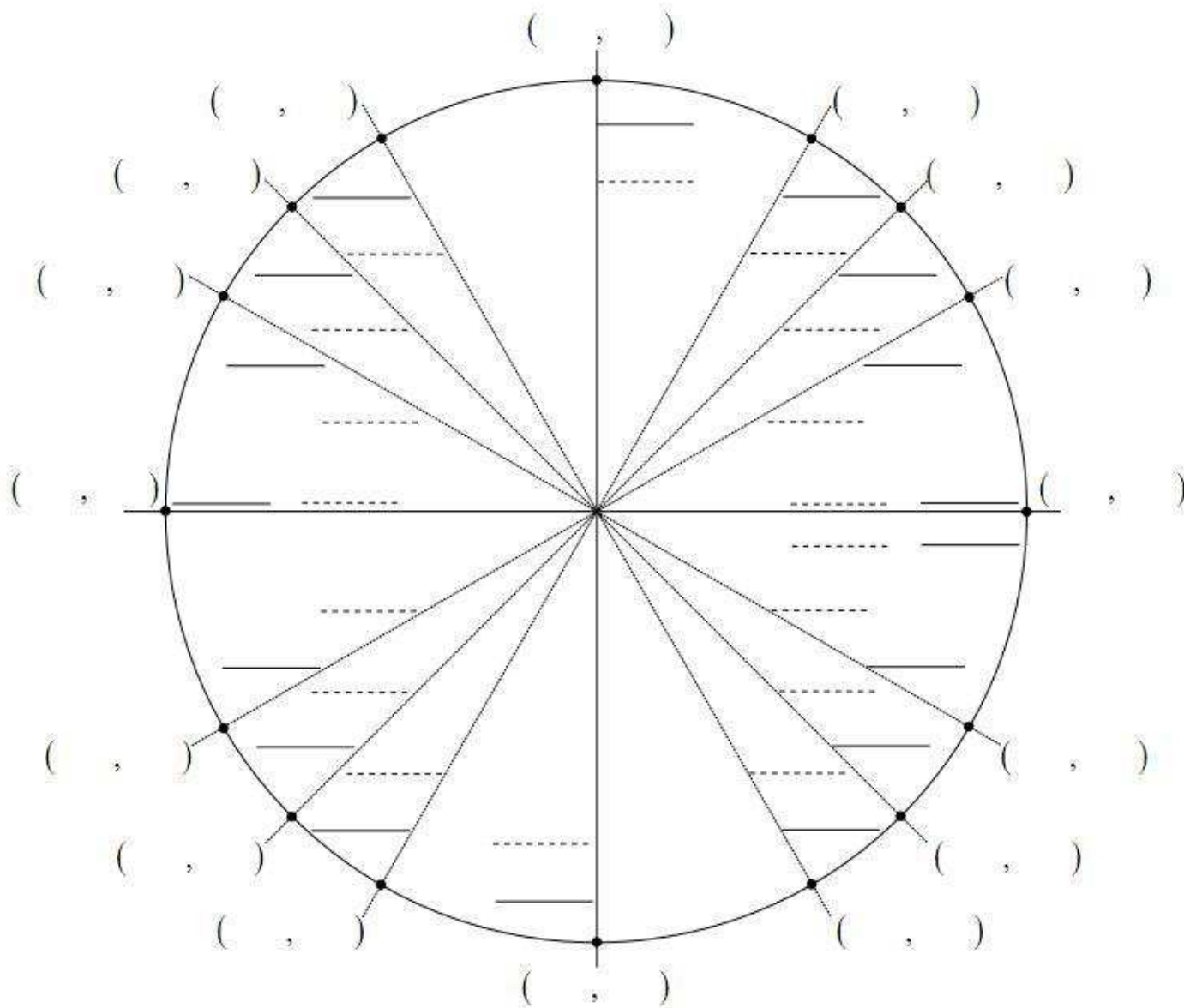
Course: \_\_\_\_\_

Algebra 2 and Trigonometry – Complete the Unit Circle

INSTRUCTIONS – FOLLOW CAREFULLY

1. Use a Pencil to complete the below UNIT CIRCLE

2. Answer the questions that follow



1. Show your unit circle to your teacher before you proceed

2. Evaluate the below functions

a.  $\cos \pi/2 =$

b.  $\sin \pi/2 =$

c.  $\tan \pi/2 =$

d.  $\cos \pi =$

e.  $\sin \pi =$

f.  $\tan \pi =$

g.  $\cos 3\pi/2 =$

h.  $\sin 3\pi/2 =$

i.  $\tan 3\pi/2 =$

j.  $\cos 2\pi =$

k.  $\sin 2\pi =$

l.  $\tan 2\pi =$

3. Evaluate the below functions

a.  $\sec \pi/2 =$

b.  $\csc \pi/2 =$

c.  $\cot \pi/2 =$

d.  $\sec \pi =$

e.  $\csc \pi =$

f.  $\cot \pi =$

g.  $\sec 3\pi/2 =$

h.  $\csc 3\pi/2 =$

i.  $\cot 3\pi/2 =$

j.  $\sec 2\pi =$

k.  $\csc 2\pi =$

l.  $\cot 2\pi =$

4. Which trigonometric functions can be undefined?

5. For each of the functions you named in question 4, at what angles are they undefined?

6. Are there other angles besides those you evaluated in questions 1 and 2, where these functions can be undefined?