

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

**Assignment #2: Radians**

Convert the following angles to radians:

1)  $315^\circ =$  \_\_\_\_\_ radians

2)  $300^\circ =$  \_\_\_\_\_ radians

3)  $135^\circ =$  \_\_\_\_\_ radians

4)  $120^\circ =$  \_\_\_\_\_ radians

5)  $180^\circ =$  \_\_\_\_\_ radians

Convert the following angles to degrees:

6)  $\frac{\pi}{6} =$  \_\_\_\_\_ degrees

7)  $\frac{7\pi}{6} =$  \_\_\_\_\_ degrees

8)  $\frac{11\pi}{12} =$  \_\_\_\_\_ degrees

9)  $\frac{9\pi}{8} =$  \_\_\_\_\_ degrees

10)  $\frac{\pi}{4} =$  \_\_\_\_\_ degrees

11) There are 360 degrees in a full circle. Using your conversion formulas, how many radians must there be in a full circle?

\_\_\_\_\_ radians