

MA40SA PERIODIC FUNCTION ASSIGNMENT 2

Name: _____

Date: _____

1. Convert the following times into decimal time:

1:30 PM=

09:12 AM=

11:54 PM=

4:15 PM=

2. Complete the white blanks in the following table:

Angle in Degrees	Angle in π Radians	Angle in Decimal Radians
90		
45		
30		
120		
	$\pi/6$	
	4π	
	$3\pi/2$	
		1
		1.5 ^r
		6.28
		3.14159

Hint: The conversions is $1 \pi \text{ Radian} = 180 \text{ degrees}$. Which also means that 1 decimal radian = $\frac{180^\circ}{3.14159} = 57.3^\circ$ or $1 \pi \text{ Radian} = 3.14159 \text{ radians}$.

3. Plot and label the following angles on the unit circle below

- a. $\pi/3$ b. 2^r c. $\frac{4}{3}\pi$ d. 6^r e. 405° f. -60°
 g. π h. $3\pi/4$ i. $7\pi/6$ j. 135°

