**Extra Credit 50 - 53**

**Extra #50**

**Change each degree measure to radian measure**

**1.** 6$°$ **2.** 870$°$ **3.** $-165°$

**Change each radian measure to degree measure**

**4.** $\frac{-7π}{9}$ **5.** $2\frac{3}{5} π$  **6.** $\frac{13π}{30}$

**Extra #51**

**Evaluate **

**1.** $\cos(\frac{5π}{4})$ **2.** $\tan(\frac{11π}{6})$ **3.** $\tan(300°)$  **4.** $\sin(210°)$

**Find** $θ $**in radians (you may have more than 1 answer)**

**5.** $\tan(θ)=-1$

**Find** $θ$ **in degrees (you may have more than 1 answer)**

**6.** $\cos(θ)= \frac{\sqrt{3}}{2}$

**Extra #52**

**Use for 1-3 Use for 4-6**

 

**1.** Find the arc length $\hat{AB}$ **2.** Find the arc length $\hat{BCA}$ **3.** Find the shaded area

**4.** Find the arc length $\hat{CB}$ **5**. Find the arc length $\hat{BCA}$ **6**. Find the shaded area

**Extra #53**

**State the amplitude and period of each function, then draw the graph. You must label 4 angles on the x-axis.**

**1.** y = $2 \sin((\frac{3}{4}x))$ **2.** y = $\frac{1}{2} \cos((\frac{6}{7}x))$  **3.** y = 5 $\sin((\frac{3π}{5}x))$