Express the angle in decimal degrees to the nearest hundredth:

16°35′23"

Name two angles coterminal with 125°.

Can you write a formula to express all angles coterminal with 125°?

Find the values of the six trigonometric functions of θ if the terminal side of θ passes through P(-2, 1).

If
$$\sin \theta = -\frac{\sqrt{3}}{2}$$
 and $\cos \theta < 0$, find the other five trigonometric functions.

Express in radian measures:

(leave answers in terms of π)

a.) -84° b.) 108° c.) 630°

Determine the arc length and area of the sector of a circle if the central angle has measure 45° and the radius is 2.

Find the exact value of $\tan \frac{25\pi}{6}$

Express as a function of an acute angle:

- a.) cos 118°
- b.) $sin(-195^{\circ})$

 $c.)sec(300^\circ)$

9.

If $0 < \theta < 2\pi$ determine the values of θ that make:

a.) $\sin \theta = 1$

b.)
$$\csc \theta = -\frac{2\sqrt{3}}{3}$$

Explain why the statement $\cos \theta = 1.2$ cannot be correct.

Evaluate
$$\sin\left(-\frac{\pi}{2}\right) + \cos^2\left(\frac{3\pi}{4}\right)$$