

Bellwork Tuesday, April 1, 2014

1. Convert each degree measure into radians.

a)  $220^\circ$

b)  $1125^\circ$

2. Convert each radian measure into degrees.

a)  $\frac{31\pi}{12}$

b)  $\frac{10\pi}{3}$

4. Find the measure of an angle between 0 and  $2\pi$  that is coterminal to each given angle. Give your answer in radians.

a).  $\frac{9\pi}{2}$

b).  $-\frac{13\pi}{6}$

3. Find both a positive and a negative coterminal angle for each given angle. Give your answer in radians.

a)  $\theta = -\frac{3\pi}{5}$

b)  $\theta = \frac{2\pi}{11}$

5. Find the exact value of each.

a)  $\tan 5\pi$

b)  $\cos \frac{8\pi}{3}$

c)  $\sin \frac{-13\pi}{6}$

d)  $\tan \frac{9\pi}{2}$