Friday, February 27, 2015 Algebra 2 Bellwork

Find both a positive and a negative coterminal angle for each given angle. Give your answer in the same form as the given angle.

2.
$$-\frac{19\pi}{5}$$

Pos:

Neg:

Neg:

4.
$$\frac{31\pi}{11}$$

Pos:

Neg:

Neg:

Find an angle between 0° and 360° that is coterminal to each given angle.

Find an angle between 0 and 2π that is coterminal to each given angle.

7.
$$\frac{23\pi}{9}$$

8.
$$-\frac{57\pi}{14}$$

Find the value of each to the nearest hundredth.

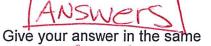
10. Tan
$$\frac{13\pi}{11}$$

In which quadrant, or on which axis does the terminal side of each angle lie?

14.
$$\frac{40\pi}{7}$$

15.
$$-17\pi$$

Friday, February 27, 2015 Bellwork Algebra 2



Find both a positive and a negative coterminal angle for each given angle. Give your answer in the same form as the given angle. ONLY A FEW OF MANY ANSWERS IS GIVEN

2.
$$-\frac{197}{5}$$

1. 2645°

Pos:
$$2285^{\circ}$$
, 3005° , Neg: -235° , ...

Pos: $\frac{117}{5}$, ... Neg: $-\frac{97}{5}$, ... Neg: $-\frac{97}{5}$, ...

Pos:
$$\frac{3}{5}$$
, $\frac{117}{5}$, ... Neg

4.
$$\frac{31\pi}{11}$$

3.
$$-978^{\circ}$$
 4. $\frac{31\pi}{11}$ Pos: $/02^{\circ}$, $/462^{\circ}$ Neg: -1338° , -618° ,... Pos: $\frac{9\pi}{11}$, $\frac{53\pi}{11}$,... Neg: $-\frac{13\pi}{11}$, $-\frac{35\pi}{11}$,...

Pos:
$$\frac{9\pi}{11}$$
, $\frac{53\pi}{11}$... Neg

$$\frac{-13\pi}{11}$$
 $\frac{35\pi}{11}$

Find an angle between 0° and 360° that is coterminal to each given angle.

Find an angle between 0 and 2π that is coterminal to each given angle.

7.
$$\frac{23\pi}{9}$$

8.
$$-\frac{57\pi}{14}$$





Find the value of each to the nearest hundredth.

10. Tan
$$\frac{13\pi}{11}$$

In which quadrant, or on which axis does the terminal side of each angle lie?

13. 990°
$$\rightarrow$$
 270° 14. $\frac{40\pi}{7} \rightarrow 127$

15.
$$-17\pi$$
 \rightarrow γ