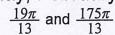
1. Is this pair of angles coterminal?

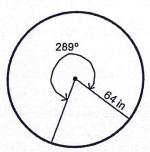


- 2. In which quadrant or on which axis will the terminal side of each angle be located?
- a) $\frac{59\pi}{9}$
- b) 2700°
- c) $\frac{31\pi}{2}$
- d) -1245°

- 3. Convert each angle to other unit measure. Round degrees to the nearest hundredth and leave radians in terms of π and reduce.
- a) $\frac{11\pi}{16}$

b) 115°

4. Find the length of the indicated arc. Round to the nearest hundredth.



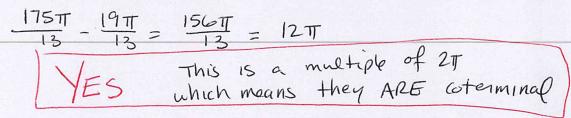
Bellwork

Alg 2B Tuesday, February 13, 2018

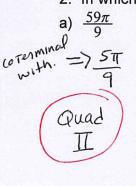
ANSWERS

1. Is this pair of angles coterminal?

$$\frac{19\pi}{13}$$
 and $\frac{175\pi}{13}$

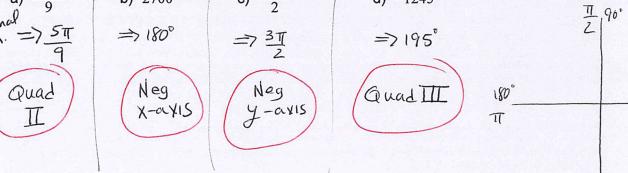


2. In which quadrant or on which axis will the terminal side of each angle be located?



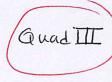
b)
$$2700^{\circ}$$
 c) $\frac{3\pi}{2}$

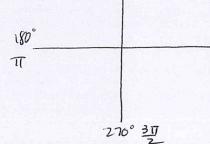
$$\Rightarrow 180^{\circ}$$
 $\Rightarrow \frac{3\pi}{2}$
Neg Neg







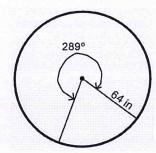




3. Convert each angle to other unit measure. Round degrees to the nearest hundredth and leave radians in terms of π and reduce.

a)
$$\frac{11\pi}{16}$$
 • $\frac{180^{\circ}}{11}$

4. Find the length of the indicated arc. Round to the nearest hundredth.



$$S = 322.82$$
 in