1. Are 730° and 3990° coterminal?

- 2. Find an angle between 0° and 360° coterminal to -1342°
- 3. Find an angle between 0 and 2π coterminal to $\frac{47\pi}{9}$
- 4. On which axis or in which quadrant is the terminal side of each angle located?
- c) $\frac{39\pi}{4}$ b) $-\frac{23\pi}{2}$ a) 1675°

Algebra 2 Friday, May 6, 2016 Bellwork 1. Are 730° and 3990° coterminal?

Answers 3rd hour Since they are NOT Separated by a multiple of 360° They are NOT coterminal

$$3990 - 730 = 3260 = \frac{3260}{360} = 9.06$$

2. Find an angle between 0° and 360° coterminal to -1342°

$$-1342 + 1080 = -262 = -262 + 360$$

= 98°

3. Find an angle between 0 and 2π coterminal to $\frac{47\pi}{9}$

$$\frac{47\pi}{9} - 2\pi \rightarrow \frac{47\pi}{9} - \frac{18\pi}{9} = \frac{29\pi}{9} - \frac{18\pi}{9} = \frac{117\pi}{9}$$

4. On which axis or in which quadrant is the terminal side of each angle located?

