Is each pair of angles coterminal?

a. 88° and 815° *No*

b. 113° and 1193°

Yes

c. -213° and 3027°

Yes

to answer this question you can add or subtract 360° starting with one of the angles and find out if you reach the other angle EXACTLY.

The shortcut here is to find the difference between the two angles and find out if it is a multiple of 360. If the difference is a multiple of 360 then they are coterminal, otherwise, they are not.

Is each pair of angles coterminal?

1. $\dfrac{7\pi}{3}$ and $\dfrac{28\pi}{3}$ *No*

2. $\dfrac{-11\pi}{8}$ and $\dfrac{-67\pi}{8}$

No

3. $\dfrac{9\pi}{13}$ and $\dfrac{295\pi}{13}$

Yes

to answer this question you can add or subtract 2π starting with one of the angles and find out if you reach the other angle EXACTLY.