

1. (10 pts) Find two angles, between -2π and 2π (i.e., 0° and 360°) that are coterminal with $\frac{35\pi}{6}$. Give exact answers in degrees and radians.

$$\left(\frac{35\pi}{6}\right)\left(\frac{180}{\pi}\right) = 1050^\circ ?$$

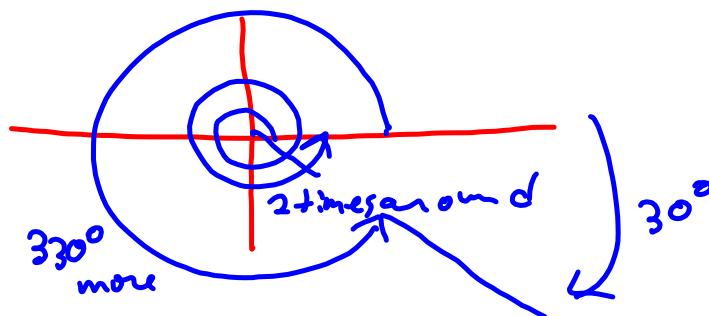
$$\frac{1050^\circ}{360^\circ} = 2.916666667$$

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12.08304597
sin(60
.8660254038
1050/360
2.916666667
1050-2*360
330

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2.9 times around
 The angle we want +



So $\frac{35\pi}{6}$ is coterminal with 330° & -30°

$$\frac{11\pi}{6} \quad \frac{-\pi}{6} \quad \frac{30(\frac{\pi}{6})}{6} = \frac{\pi}{6}$$

$$\rightarrow (330)\left(\frac{\pi}{180}\right) = \frac{11\pi}{6}$$