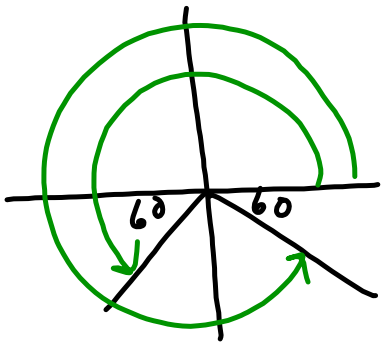
Solving for angles (4.3)

1. $\sin\theta = -\frac{\sqrt{3}}{2}$ $\quad -180° \le \theta \le 360°$

$\sin^{-1}(0.866) = 60°$



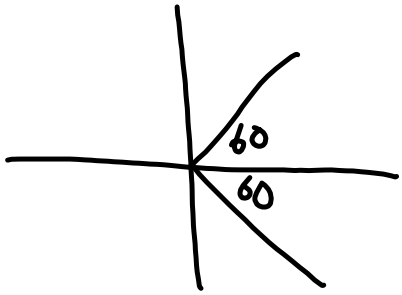
$\theta = 240°$ or $-120°$

$\theta = 300°$ or $-60°$

2. $\sec x = 2$ $\quad -2\pi \le x \le 2\pi$

$\cos x = \frac{1}{2}$

$\cos^{-1}(0.5) = 60°$



$\theta = 60°$ or $-300°$

$\theta = 300°$ or $-60°$

radian measure

$x = \frac{\pi}{3}, \frac{5\pi}{3}, -\frac{\pi}{3}, -\frac{5\pi}{3}$