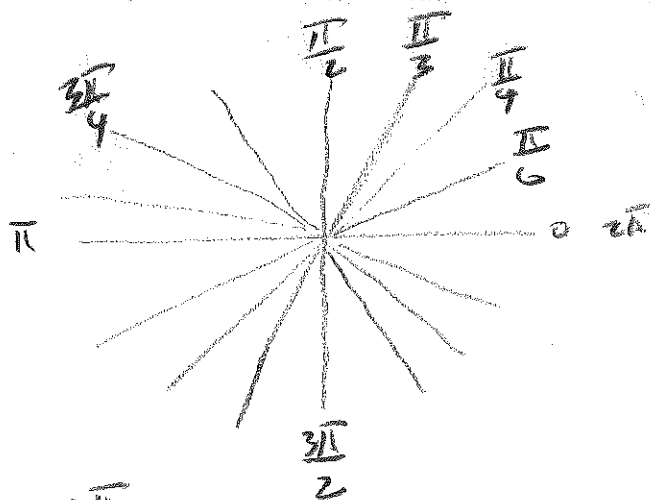
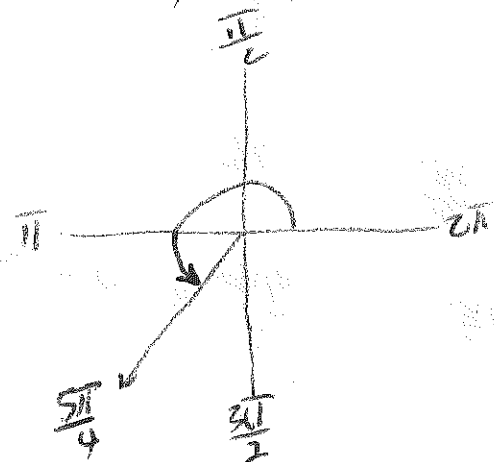


§ 4.) $\sqrt{4}$ 290 #7, 13, 17, 19, 25-37, 51-69.

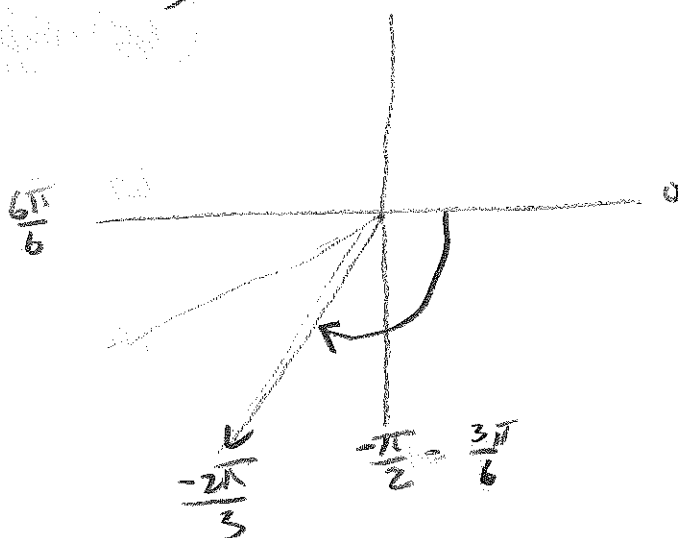
- 7) a) $\frac{\pi}{5}$ I
 b) $\frac{3\pi}{5}$ III



13) a) $\frac{5\pi}{4}$



b) $-\frac{2\pi}{3}$



17) a) $\frac{\pi}{6} + \frac{12\pi}{6} = \frac{13\pi}{6}$
 $\frac{\pi}{6} - \frac{12\pi}{6} = -\frac{11\pi}{6}$

b) $\frac{5\pi}{6} + \frac{12\pi}{6} = \frac{17\pi}{6}$
 $\frac{5\pi}{6} - \frac{12\pi}{6} = -\frac{7\pi}{6}$

19) a) $\theta = \frac{2\pi}{3} + \frac{6\pi}{3} = \frac{8\pi}{3}$

$\frac{2\pi}{3} - \frac{6\pi}{3} = -\frac{4\pi}{3}$

b) $\theta = \frac{\pi}{12} - \frac{24\pi}{12} = -\frac{23\pi}{12}$

$\frac{\pi}{12} + \frac{24\pi}{12} = \frac{25\pi}{12}$

$$(25) \approx 210^\circ$$

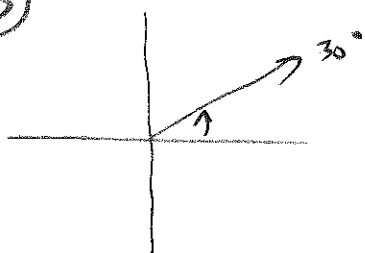
$$(27) \approx -60^\circ$$

$$(29) \approx 160^\circ$$

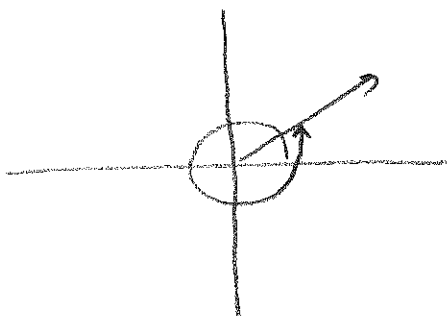
$$(31) 130^\circ \text{ II}$$

$$(33) \text{ III } -132.50'$$

(35)



$$(37) \frac{405}{-360} = \frac{35}{35}$$



$$(51) a. \frac{3\pi}{12} \cdot \frac{180}{\pi} = 270^\circ$$

$$b. \frac{7\pi}{6} \cdot \frac{180}{\pi} = 210^\circ$$

$$(53) a. \frac{7\pi}{13} \cdot \frac{180}{\pi} = 420^\circ$$

$$b. \frac{-11\pi}{36} \cdot \frac{180}{\pi} = -66^\circ$$

$$(55) c. 115^\circ \cdot \frac{\pi}{180} = \frac{23\pi}{36} \approx 2.007$$

$$(57) a. -46.35^\circ \cdot \frac{\pi}{180} = \frac{-4327\pi}{3600} \approx -3.776$$

$$\frac{\pi}{5} \cdot \frac{180}{\pi}$$

$$(59) 532^\circ \cdot \frac{\pi}{180} = \frac{133\pi}{45} \approx 9.285$$

$$(61) -0.83^\circ \cdot \frac{\pi}{180} \approx -0.014$$

$$(63) \frac{\pi}{7} \cdot \frac{180}{\pi} = \frac{180}{7} \approx 25.714^\circ$$

$$(65) \frac{15\pi}{28} \cdot \frac{180}{\pi} = \frac{675}{2} \approx 337.5^\circ$$

$$(67) -4.2\pi \cdot \frac{180}{\pi} = -756.000^\circ$$

$$(69) -2 \cdot \frac{180}{\pi} = -\frac{360}{\pi} \approx -114.592^\circ$$