

Practice (pg. 114-81), #2-5

② $\tan \theta = -\sqrt{3}$

EX: $\theta = -\frac{\pi}{3}$
 $\theta = -\frac{4\pi}{3}$
 $\theta = \frac{8\pi}{3}$
 $\theta = \frac{11\pi}{3}$ } radians

③ $\tan \theta = 1$

EX: $\theta = -\frac{3\pi}{4}$
 $\theta = -\frac{7\pi}{4}$
 $\theta = \frac{9\pi}{4}$
 $\theta = \frac{13\pi}{4}$ } radians

④ $\tan \frac{13\pi}{6} = \tan \frac{\pi}{6}$

$$\frac{1}{2} \cdot \frac{1}{\sqrt{3}} = \frac{1}{2} \cdot \frac{2}{\sqrt{3}} = \frac{\sqrt{3}}{3}$$

⑤ $\tan \left(\frac{11\pi}{4}\right) = \tan \frac{3\pi}{4}$

$$= \boxed{-1}$$

$$\frac{\frac{\sqrt{2}}{2}}{-\frac{\sqrt{2}}{2}}$$