

Practices.

1. If  $\sin t = \frac{4}{5}$ , and  $0 < t < \frac{\pi}{2}$ .
  - a.  $\sin(\pi - t) =$ ,  $\tan t =$
  - b.  $\cos(\pi - t) =$ ,  $\tan t =$
  - c.  $\sin(\pi - t) =$ ,  $\tan t =$
  - d.  $\cos(\pi - t) =$ ,  $\tan t =$
2. If  $\sec \theta = -2$  and  $\theta$  is in first or second quadrant, find  $\sin \theta$ .
3. If  $\csc \theta = 3$ ,  $\sec \theta = \frac{3\sqrt{2}}{4}$ , then (a) determine the quadrant  $\theta$  belongs to, (b) find  $\sec(\frac{\pi}{2} - \theta)$ .
4. For  $\theta = -\frac{7\pi}{6}$ . Find
  - a.  $\sin \theta = \frac{1}{2}$
  - b.  $\cos \theta$
5. If  $\cos t = \frac{3}{5}$ , and  $0 < t < \frac{\pi}{2}$ . Find
  - a.  $\cos(\pi - t)$
  - b.  $\sin t$ .
6. If  $\sec \theta = 4$ , and  $0 < \theta < \frac{\pi}{2}$ . Find
  - a.  $\sin \theta$ .
  - b.  $\tan(\pi - \theta)$