

(1) [3 points] Convert -225° to radians.

(2) [3 points] Convert $5\pi/12$ to degrees.

(3) [4 points] Determine $2 \sin\left(\frac{\pi}{3}\right) - 3 \cos\left(\frac{\pi}{6}\right)$

(4) [5 points] If $\sec \theta = 2$ and $\sin \theta < 0$, determine $\cot \theta$.