The graph of cosine has one hill and one valley on the interval $\left[-\frac{\pi}{2}, \frac{3\pi}{2}\right]$. The hill covers the interval from $\theta = -\frac{\pi}{2}$ to $\theta = \frac{\pi}{2}$. The highest point is in the middle of the hill: (0, 1). The valley covers the interval from $\theta = \frac{\pi}{2}$ to $\theta = \frac{3\pi}{2}$. The lowest point is in the middle of the valley: $(\pi, -1)$.