The graph of cosine has a hill with endpoints at $\theta = -\frac{\pi}{2}$ and $\theta = \frac{\pi}{2}$, where the value of the function is 0. It has a repeating hill and valley pattern in both directions, with each hill and valley having a width of π units. So the endpoints of the hills and valleys, where the function is equal to 0, are:

$$\theta = \pm \frac{\pi}{2}, \pm \frac{3\pi}{2}, \pm \frac{5\pi}{2}, \pm \frac{7\pi}{2}, \dots$$

These numbers are all odd multiples of $\frac{\pi}{2}$.