If you shift the graph of  $y=\cos\theta$  by  $\frac{\pi}{2}$  units to the right, the hill that had the *y*-axis running through the center will now be positioned over the interval  $[0,\pi]$ . This is also true of the graph of  $y=\sin\theta$ . The rest of the graph will consist of the repeating valley and hill pattern. This is the graph of  $y=\sin\theta$ .