### Preliminaries and Objectives

**Preliminaries:**
- Values of \( \sin x \) and \( \cos x \) from unit circle.

**Objectives:**
- Draw an accurate graph of \( y = \sin x \) and \( y = \cos x \) over several periods.

### How to graph \( y = \sin x \)

![Graph of \( y = \sin x \)](image)

### How to graph \( y = \cos x \)

![Graph of \( y = \cos x \)](image)

### Recap

- \( y = \sin x \) has x-intercepts at \( \ldots, -2\pi, -\pi, 0, \pi, 2\pi, 3\pi, 4\pi \ldots \)
- Peaks at \( \ldots, \frac{7\pi}{2}, \frac{3\pi}{2}, \frac{\pi}{2}, \frac{\pi}{2} \)
- Valleys at \( \ldots, \frac{5\pi}{2}, \frac{\pi}{2}, \frac{\pi}{2}, \frac{\pi}{2} \)

- \( y = \cos x \) has x-intercepts at \( \ldots, 3\pi, \pi, \frac{\pi}{2}, \frac{\pi}{2}, \frac{\pi}{2} \)
- Peaks at \( \ldots, -4\pi, -2\pi, 0, 2\pi, 4\pi, 6\pi \ldots \)
- Valleys at \( \ldots, -3\pi, -\pi, \pi, 3\pi, 5\pi \ldots \)