

## Worked example

Find the exact values, without a calculator:

$$\cos\left(\frac{7\pi}{6}\right)$$

$$\sin\left(-\frac{4\pi}{3}\right)$$

## Your turn

Find the exact values, without a calculator:

$$\cos\left(\frac{4\pi}{3}\right)$$

$$-\frac{1}{2}$$

$$\sin\left(-\frac{7\pi}{6}\right)$$

$$\frac{1}{2}$$

## Worked example

Sketch the graph for  $0 \leq x \leq 2\pi$  of:

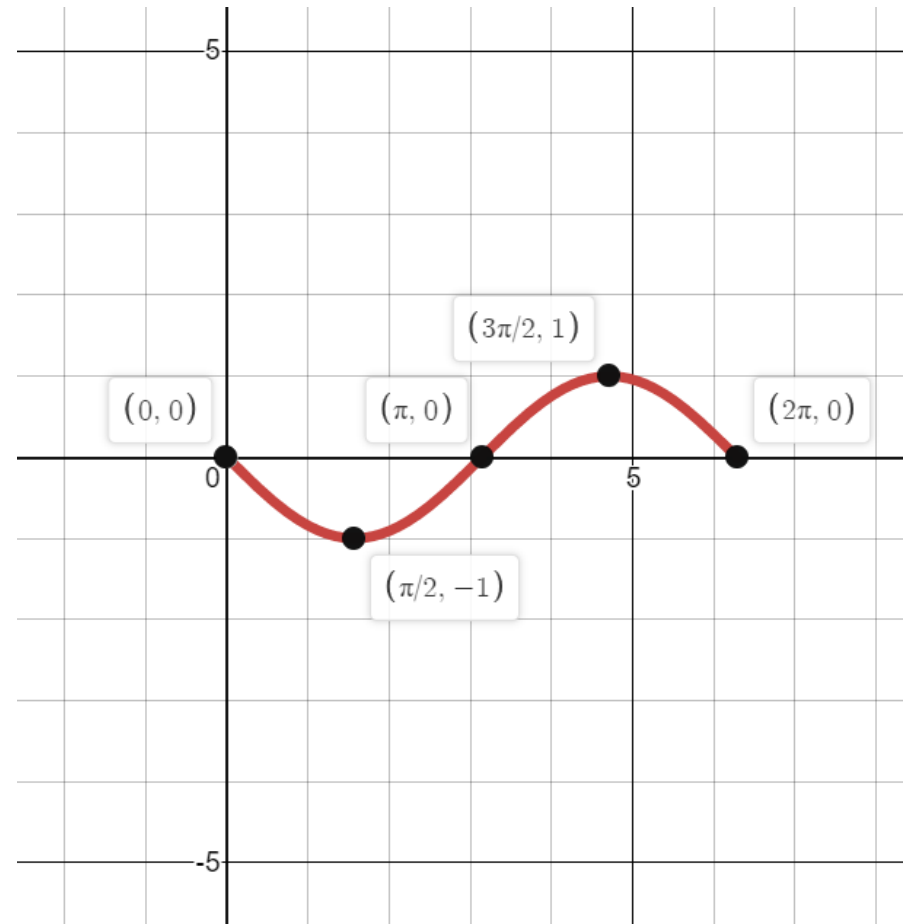
$$y = \sin\left(x + \frac{\pi}{4}\right)$$

$$y = \tan\left(x - \frac{\pi}{3}\right)$$

## Your turn

Sketch the graph for  $0 \leq x \leq 2\pi$  of:

$$y = \cos\left(x + \frac{\pi}{2}\right)$$



## Worked example

Sketch the graph for  $0 \leq x \leq 2\pi$  of:  
 $y = \cos(4x)$

$$y = \tan(3x)$$

## Your turn

Sketch the graph for  $0 \leq x \leq 2\pi$  of:  
 $y = \sin(2x)$

