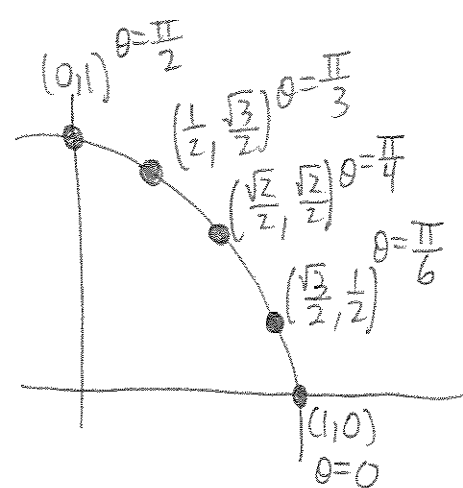


# Quiz 2 Math 1540 Fall 2019

Compute  $\sin(\frac{\pi}{6})$  and  $\cos(\frac{\pi}{2})$  from the unit circle.



Soln:

$$\sin\left(\frac{\pi}{6}\right) = \left( \begin{array}{l} \text{2nd coordinate} \\ \text{of the point } \left(\frac{\sqrt{3}}{2}, \frac{1}{2}\right) \end{array} \right) = \frac{1}{2}$$

$$\cos\left(\frac{\pi}{2}\right) = \left( \begin{array}{l} \text{1st coordinate} \\ \text{of the point } (0,1) \end{array} \right) = 0$$