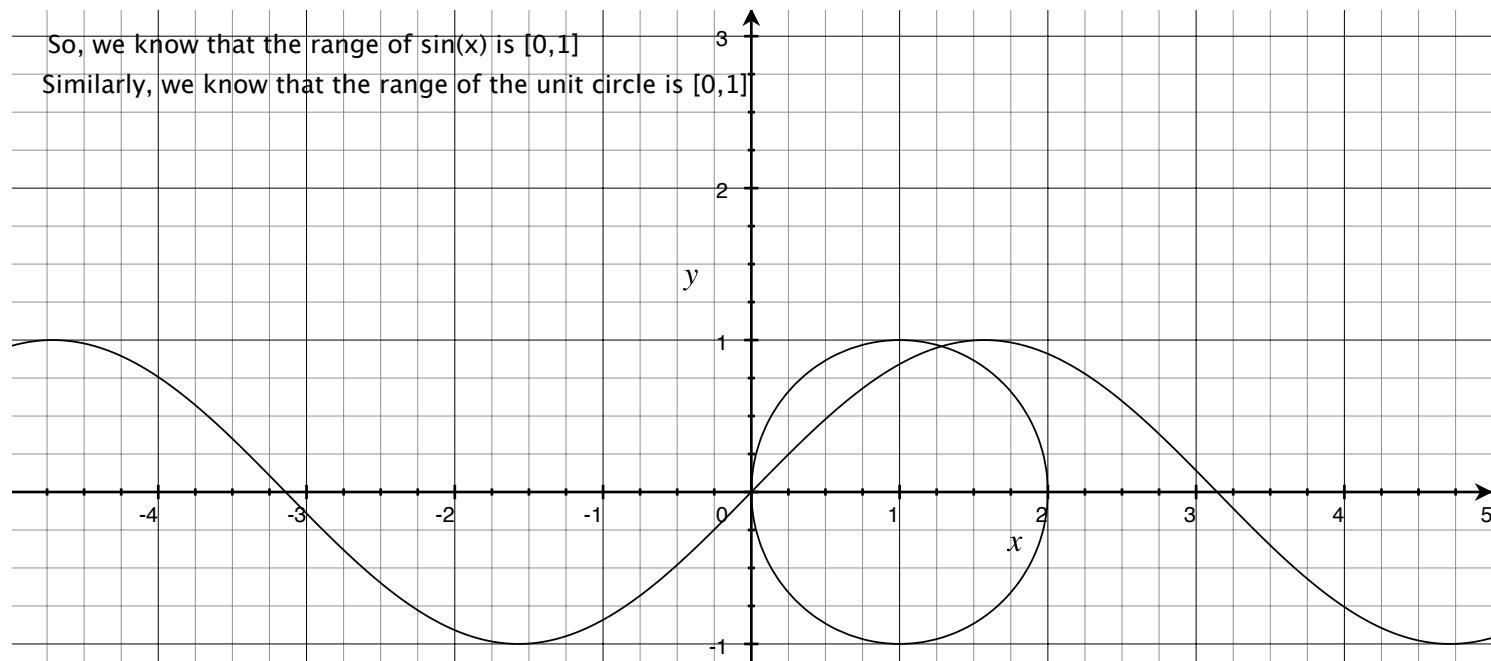


So, we know that the range of $\sin(x)$ is $[0, 1]$

Similarly, we know that the range of the unit circle is $[0, 1]$



The domain of $\sin(x)$ on the interval of interest is $[0, \pi/2]$

The domain of the unit circle is $[0, 1]$

