## Week 17 - Probability Calculating Pi

## MENGM0032 Manufacturing Systems

You have been given a set of 10,000 Real random numbers between 0 and 1. Assuming that the distribution of the random numbers is uniform

- 1. Calculate  $\pi$ .
- 2. How accurate is your calculation?
- 3. How many random numbers would it take for you to get  $\pi$  right to four digits after the decimal point?