

## MTH 337, Sample Quiz 5

### Spring 2022

You will have **15 minutes** to take the actual quiz.

1. In **one line of code**, write a command to generate a list of 100 equally spaced numbers between 3 and 4.
2. Write a function that models flipping an unfair coin. This function should have an input that is the probability of landing on heads.
3. In the “top card in at random” method of shuffling cards, how many times would you expect to have to shuffle before a card is placed below the bottom card? How many shuffles until two cards are placed below the [original] bottom card? How many shuffles until the [original] bottom card becomes the top card?