

MTH 337, Sample Quiz 3

Fall 2020

You will have **15 minutes** to take the actual quiz in Gradescope. The quiz will start exactly **5 minutes** after the start of class, 9:15 AM, and will close at 9:30 AM.

1. Import matplotlib library using the standard abbreviation.
2. Write some code to generate a list of inputs and a list of output for plotting the function $f(x) = \sin(x)$ on the interval $[0, 3]$. (Hint: You will need another import command.)
3. Plot $f(x) = \sin(x)$ for x in $[0, 3]$ as a red dashed line with no markers. (Don't forget to use the `.show()` function.)
4. Add a title as well as labels for the x and y axes.
5. Add a second curve for the function $g(x) = \cos(x)$ as a solid dotted line.