MTH 337, Sample Quiz 3
Spring 2021

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 $f(x) = \ln(x)$ on the interval $[0, 3]$. (Hint: You will need another import command.)

3. Plot $f(x) = \ln(x)$ and $g(x) = e^x$ along with a red dashed line representing their reflection across $y = x$. (Don't forget to use the .show() function.)

4. Add a title as well as labels for the x and y axes and a legend.