Group Work #5
Kerry Ojakian's MTH 30 Class
Names of Group Members (first and last):

General Instructions:

- You may work in a group of at most 3 students.
- Hand in **one** assignment for your group; write each group member's full name on the assignment.

The Assignment

- 1. Graph $f(x) = \sin(x)$ in Desmos. Use Desmos (and your brain!) to do the following:
 - (a) Add an additional plot of $g(x) = 5\sin(x)$. Describe how this transforms f(x) and make a rough sketch of f and g on the same axes.
 - (b) Add an additional plot of $h(x) = \frac{1}{5}\sin(x)$. Describe how this transforms f(x) and make a rough sketch of f and h on the same axes.
 - (c) Add an additional plot of $A(x) = \sin(5x)$. Describe how this transforms f(x) and make a rough sketch of f and A on the same axes.
 - (d) Add an additional plot of $B(x) = \sin(\frac{1}{5}x)$. Describe how this transforms f(x) and make a rough sketch of f and B on the same axes.