Function Space $C[0,1]$ and metrics

GROUP MEMBERS:

1. ____________________________
2. ____________________________
3. ______________________________
4. ______________________________

1. Each person in their own notebook give an example of a continuous function defined on the interval $[0,1]$. Make several if you have time.

2. Go around in your group and have each person share their example with the group.

3. Group Brainstorm: What might be ways to define the “distance” between two continuous functions $f(x)$ and $g(x)$ that are defined on the interval $[0,1]$. Give as many different ways as you can.