	Homework 8, Fall 2023			
		Tomework 8 has questions 1 through 3 with a total of 30 points. This work is ue Saturday 28 October at 11:59 PM.		
10	1.	Show that the function $x \in \mathbf{R} \mapsto x$ is uniformly continuous on \mathbf{R} . If you are concerned that this problem is "too easy," take a moment check all your logic five times. This problem isn't tricky.		
		Solution:		
		Proof.		
10	2.	Show that the function $x \in \mathbf{R} \mapsto x^2$ is not uniformly continuous on \mathbf{R} . Solution:		
		Proof.		
10	3.	3. Give an example of functions $F, G \in \mathbf{R} \to \mathbf{R}$ such that both F and G are uniformly continuous on \mathbf{R} , but FG is not uniformly continuous on \mathbf{R} .		
		Solution:		

Name:

MATH 460