## CSCE 330 Fall 2023

Quiz 7
Assigned Tuesday, 23-11-07

1. Find the error in the following function:
```
sum [] = 0
sum(x:xs) = x + sum x
```

Answer: x should be xs
2. Consider the following function:
product [] = 1
product (x:xs) $=x *$ product $x s$
Show that product $[1,2,3]=6$.
Answer: product $[1,2,3]=1 *$ product $[2,3]=1 * 2 *$ product $[3]=1 *$ $2 * 3 * \operatorname{product}[]=1 * 2 * 3 * 1=$ (several ways to finish).

