

CSE-5368-001 Neural Networks
Spring 2023 Quiz 08

Time: 12 Minutes

Consider the expression:

$$f(x, y) = \frac{xy}{\min(xy, y^2) - 6}$$

Given the inputs: $x = 50$, $y = 4$

Draw the computational graph and calculate the $\frac{\delta f(x,y)}{\delta x}$ and $\frac{\delta f(x,y)}{\delta y}$ and show all the numerical values of the forward and backward pass.

You **MUST SHOW** all the numerical values as they flow in the forward and backward path in the computational graph.