CSE-5368-001Neural Networks Fall 2022 Quiz 02

Time: 12 Minutes **NOTES:**

a. Credit is only given to the correct numerical values.

b. All numerical values must be calculated with three digits of accuracy after the decimal point.

Consider the expression:
$$f(x, y) = \max(x, y^2) + \frac{200}{xy}$$

 $x=-2, \quad y=5$ Given the inputs Draw the computational graph.

Calculate the output and show all the numerical values of the feed forward pass. Calculate the $\frac{\delta f(x,y)}{\delta y}$ and $\frac{\delta f(x,y)}{\delta y}$ and show all the numerical values of the backward pass.

You must show all the numerical values as they flow in the forward and backward path.

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