

QUIZ #2 MAT 223

Last Name: (_____) First Name: (_____) Score: (_____)

Show your all work. Good Luck!

1. (20 points) For $f(x) = \frac{1}{x}$ solve each problem.

(1) Use the definition of derivative, find the $f'(x)$

(2) Find the equation of tangent line to the curve at $x = 2$

(3) Draw the graph of $f(x)$ and the equation of tangent line to the curve at $x = 2$

