

# Quiz #4

Please print your name:

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**Problem 1. (6+2 points)**

[Show work!]

- (a) Using the limit definition, compute  $f'(x)$  for  $f(x) = \frac{1}{x}$ .
- (b) Determine the line tangent to the graph of  $f(x)$  at  $x = 2$ .