

Math 2250 Quiz 4

Name _____ Section _____

Points will be deducted for untidy or disorganized answers

1. (2 points) Use the definition of the derivative to find $f'(x)$ when

$$f(x) = x + \frac{1}{x}$$

2. (3 points) Use any method (for example you can use the differentiation rules) to find the derivative of the following functions

(a) $g(z) = z^2 \left(2z^3 - \frac{3}{4z^4} \right)$

(b) $h(x) = \frac{1}{x^2 + 1}$