MAC 2311 Hybrid Calculus I (B)

Name Quiz #4 (3.1-3.3) Take Home. Show all work.

1. Find the derivative of. Simplify before taking the derivative. Use the Power Rule Only. Do not use the product or quotient rules.

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Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. Find the equation of the slope of the tangent line to the graph of .

Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. Given find.

Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. Use the fact that to find. Show all your work for credit.

Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_