MAC 2311 Hybrid Calculus I (B)

**Section 3.2-3.4**

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

ANS:

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

ANS:

3. Find the derivative of

4. Find the equation of the tangent line to the graph of at *x*=1 ANS: *y*=1/2 (*x*-1)

5. Given find

6. Find. .

7. Find

8. Find =

9. Find

ANS: ;

10. **=**

11. If *f* ′ exists, then find

12.