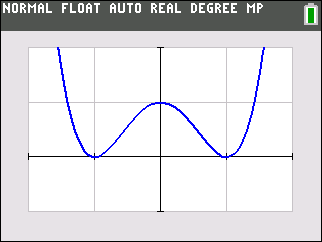
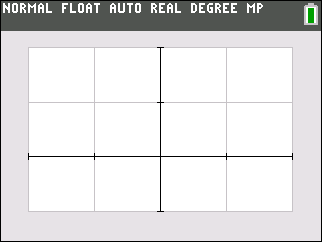
MAC 2311 Hybrid Calculus I (S)

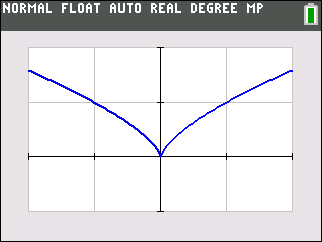
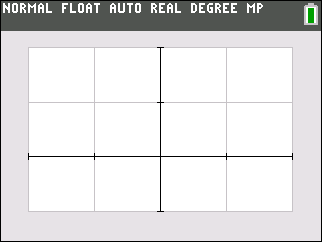
Name Quiz # 3 (2.8) Take Home. Show all work.

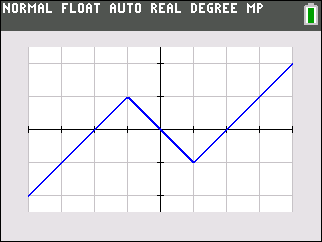
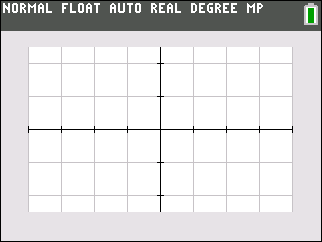
1. Use the limit definition of the derivative (only) to find the equation of the tangent line to at .

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

2. Given the graph of on the left, sketch the graph of on the right. Each tic mark is one unit.

3. Give an example of a case where a function fails to be differentiable. Write the function, and show the graph of the function.

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