**AP Calculus 1**

**Answers to Review for Test #2 Q2**

1. a. , 

b. 

c. 

2.  ; 

3. a. domain:  Range: 

b. , c. , d. 

4. a. 

b. yes – the derivative from the left of 2 is 2 and the derivative from the right of 2 is 2.

c. No. The function is not continuous at x = 2, therefore it is not differentiable.

5. a. 

b.  and 

6. a. 

b. 

7. 

8. 

9. 