AP Calculus AB Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Lessons 3-3 & 4-4, Part 1 Learning Check Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**NO CALCULATOR**

1. If , then equals

1.  (B)  (C)  (D) 1 (E) none of these

2. Find if 

1.  (B)  (C) 

(D)  (E) 2

3. . Find .

1.  (B)  (C) 

(D)  (E) 

 OVER 🡪

4. If 

1. exists
2. ** is continuous at 
3. ** is differentiable at 
4. I only (B) II only (C) III only (D) I and II only (E) I, II, and III

5. If the line normal to the graph of *f* at the point passes through the point , then

 (A)  (B)  (C)  (D)  (E) 