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

“Up Through” Lesson 3-2 Learning Check Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 **NO CALCULATOR**

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1.



2.

 \*\*\*From 2017 exam



3.



 \*\*\*From 2017 exam



4.

 \*\*\*From 2017 exam

 OVER 🡪

 **CALCULATOR ACTIVE**

5. If then

(A) is not continuous at .

1. is continuous at but does not exist.

(C) exists and equals 1.

(D) .

1. does not exist.

6. Where is the function  nondifferentiable? Why is it nondifferentiable at that point?

7. Let . Find .



8.

 \*\*\*From 2017 exam