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

Lesson 8-2 Learning Check **NO CALCULATOR** Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Multiple Choice.**

1. Let *R* be the region in the first quadrant bounded by the *x*-axis, the graph of and the line .

 Which of the following integrals gives the area of *R*?

 (A) (B)

(C) (D)

(E)

2. Which of the following gives the area of the region between the graphs of and from

 to .

 (A) 2 (B) (C)

(D) 13 (E)

 OVER 🡪

**Free Response – *NO CALCULATOR!!***



3.

4. SKIP PART (B)



3.

4.