

Name: \_\_\_\_\_  
AP Calc

Date: \_\_\_\_\_  
Ms. Loughran

1.  $\lim_{h \rightarrow 0} \frac{\int_1^{1+h} \sqrt{x^5 + 8} dx}{h}$  is

(A) 0

(B) 1

(C) 3

(D)  $2\sqrt{2}$

(E) nonexistent