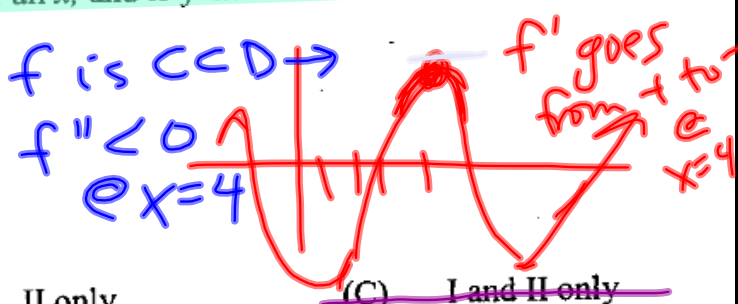


AP Calculus AB

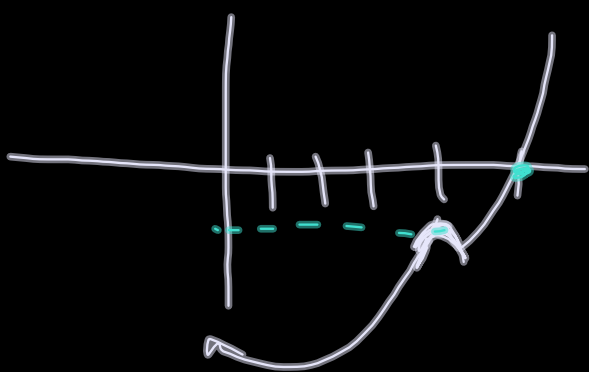
Wednesday, December 12, 2012

5. If  $f$  and  $f'$  are continuous for all  $x$ , and if  $f$  has a local maximum at  $x = 4$ , which of the following must be true?

- ~~I.~~  $f(4) > f(5)$
- ✓ II.  $f'(4) = 0$
- ✓ III.  $f''(4) < 0$



- ~~(A) I only~~
- ~~(B) II only~~
- ~~(C) I and II only~~
- (D) II and III only
- ~~(E) I, II and III~~



P. 301 Practice Exam AB2

- 1. Chelsea                      17 Joey V.
- 8 Alex B                        21 Daniel
- 14 Nathaniel                    22 Ryan
- 15 Alvin
- 16 Alex R.

Finish your problem. Write a new problem (with five answer choices) that is mathematically alike to your problem. This is due Friday. We will start presentations of problems on Thursday.