AP Calculus AB Monday, April 15, 2013

Present two more problems Questions on slope fields? Finish diagnostic/go over diagnostic

You are in here for ETEH all week, starting tomorrow (today, if you want)

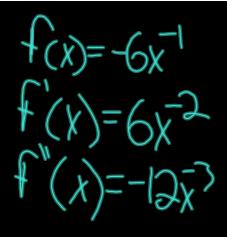
7. Given  $f(x) = 10 - \frac{16}{x}$ , find all *c* in the interval [2, 8] that satisfies the Mean Value Theorem.

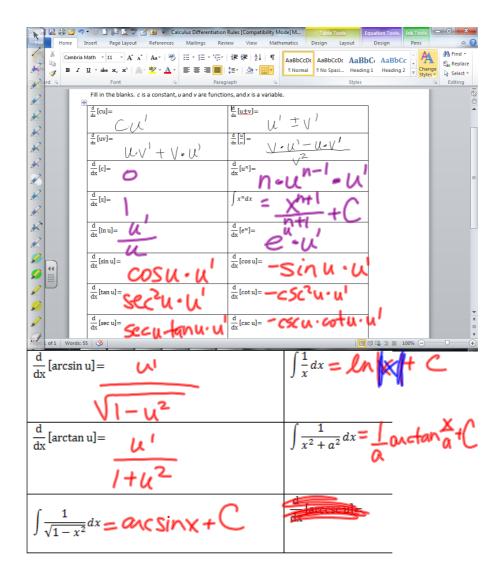
c.  $\frac{8}{5}$ a. 4 b. 5 d. ±4 e. none of these  $) = \frac{8}{8} = 10 - \frac{16}{8} = 10$ v - z = 8 $f(c) = \frac{8-2}{8-2} = 1$  $0 - 16x^{-1}$  $-16x^{-2}$ C = 16

8. Given  $f(x) = \frac{-6}{x}$ , choose the correct statement.

a. The graph of f is concave upward on the interval  $(-\infty, 0)$ . b. The graph of f is concave downward on the interval  $(-\infty, 0)$ .

- c. The graph of f is concave upward on the interval  $(-\infty,\infty)$ .
- d. The graph of f is concave upward on the interval  $(0,\infty)$ .
- e. None of these





 $\frac{d}{dx} \left[ lnx \right] = \frac{1}{x}$ guiglet.com

http://quizlet.com/18347773/ap-calculus-flash-cards-flash-cards/

()  $f(x) = 9 - \frac{6}{x}$ c such [1,3] Find that the MUT is satisfied ② Find dy if 5x<sup>3</sup> + 6xy + 7x = −2