Math 1431, Section 17699

EMCF 8 (10 points)

Due 3/25 at 11:59pm

Instructions:

Submit this assignment at http://www.casa.uh.edu.under "EMCF" and choose EMCF &

L	If	f'(x)	1<0	for a	II æ on	the	interval I	th.	en f	(x)	is co	neave	down	031.5	he	interval	
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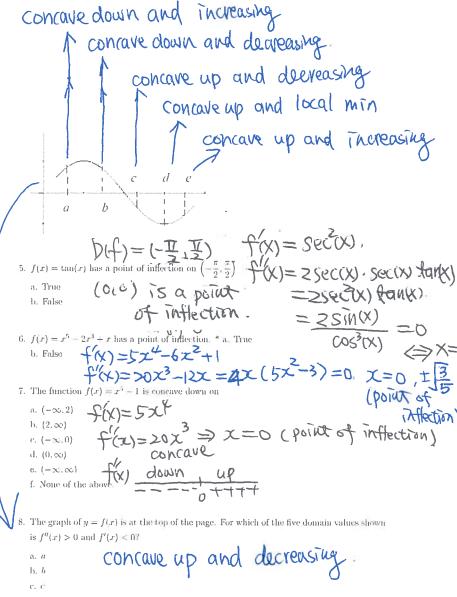
2. A point that has an x-coordinate where f''(x) = 0 is a point of inflection

3. The largest open interval over which f is concave up for $f(x) = \sqrt[7]{x-7}$ is

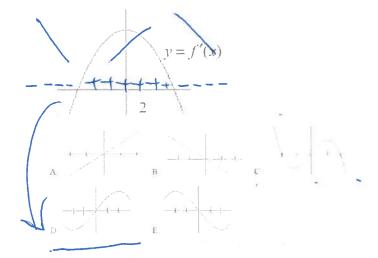
- b. (7, 20)

- d. nowhere e. (-7,7)

- b. 5/7
- c. -5/7
- d. None exist.
- e. 1
- f. None of the above.



- d. d
- €. €
- f. None of the above



- 9. The graph of the derivative of f is shown above. Which of the graphs above could be the graph of f?
- 10. Let f(x) be a polynomial function such that f(7) = -4, f'(7) = 0, and f''(7) = 3. The point (7, -4) is a _____ on the graph of f(x).
 - a relative maximum
 - barelative minimum
 - c. inflection point
 - d. intercept
 - e. None of these.

extrema $f(7)>0 \Rightarrow |\alpha a| min$