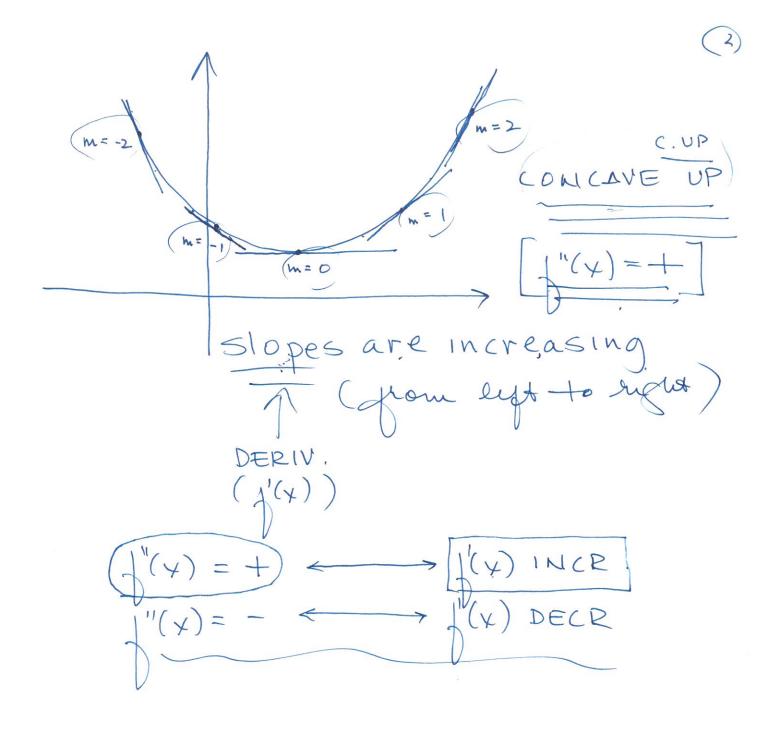
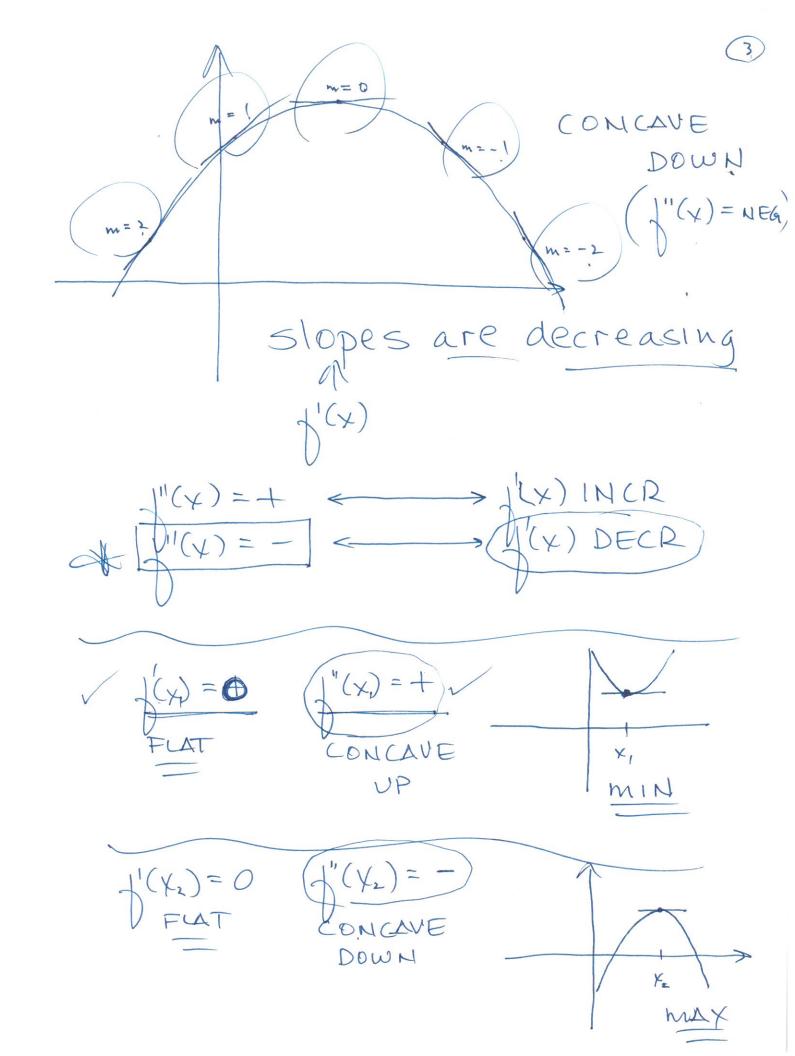
MA121-001
Flursday, September 27
2.2: USING 1"(x):
from 2.1: USING /(x):
() J'(x)=0; J'(x) under (CRIT. NUMBERS)
(norig. tangent ("STEEP") line line
(2) where is $f'(x) = + f'(x) = -$
JUNINCR JUNCR.
a fend f''(x):
(3) Puhere is j''(x) mdy. (3) where is j''(x)=+; j''(x)=-





 $\int_{0}^{1}(x) = 6x^{2} - 6x - 36$ $\int_{0}^{1}(x) = 12x - 6$ $\int_{0}^{1}(x) = 0$ $\int_{0}^{1}(x) = 0$ $\int_{0}^{1}(x) = 0$ $12 \times = 6$ $(\frac{1}{2})^{(\frac{1}{2})} = (\frac{1}{2})^{3} - 3(\frac{1}{2})^{2} - 36(\frac{1}{2}) + 28$ $(\frac{1}{2})^{2} = \frac{1}{4} - \frac{3}{4} - 18 + 28 = 9\frac{1}{2}$ $(\frac{1}{2})^{2} = \frac{1}{4} - \frac{3}{4} - 18 - \frac{1}{2}$ $(\frac{1}{2})^{2} = \frac{1}{4} - \frac{3}{4} - 18 - \frac{1}{2}$ $(\frac{1}{2})^{2} = \frac{1}{4} - \frac{3}{4} - 18 - \frac{1}{2}$ $(\frac{1}{2})^{2} = \frac{1}{4} - \frac{3}{4} - 18 - \frac{1}{2}$ $(\frac{1}{2})^{2} = \frac{1}{4} - \frac{3}{4} - 18 - \frac{1}{2}$ $(\frac{1}{2})^{2} = \frac{1}{4} - \frac{3}{4} - \frac{1}{4} - \frac{3}{4} - \frac{1}{4} -$ $\int_{(x)}^{(x)} (0) = \int_{(x)}^{(x)} (0) = \int_{($ Point of inflection

 $\int_{0}^{1/2} (x) = \frac{2}{3} \left[-\frac{1}{3} \cdot (x+1)^{3} (1) \right] \int_{0}^{1/2} (x) = \left(\frac{2}{3} \cdot (x+1)^{-1/3} \right)$ $\int_{0}^{\infty} (x) = \frac{-2}{9 \left[\sqrt[3]{x+1} \right]^4}$ = 1,,(x J'(-2) = -) J''(0) = -)

J(x) CONCAVE

DOWN

DOWN

A (-1,0)not a point of inflection — (no change in CONCAU.)

121-001

Quiz #1: Interview; documented with a 1 -2 page paper

- 1.)paper should be typed (word processed), not handwritten
- 2.) Q & A format is OK; paragraph format is OK
- 3.) Interview a person (possibly a parent; not a student) who is currently doing for a living what you would eventually like to do for a living (based on your current major or desired major)
- 4.) Face-to-face OK; Phone or skype OK; email OK
- 5.)One question you **MUST** ask: How is math used in this career?
- 6.)Other suggested questions you will probably want to ask: Average salary? Stress level? Is it seasonal (lots of work at certain times of the year) or fairly steady? Work/Life balance? Lifestyle/perks? Do you find your job rewarding? Is there continuing education associated with this job? Travel associated with this job? Do you have any summer jobs or internships for college students? Did your degree adequately prepare you for this job? And many, many other questions specific to your interviewee....
- 7.) DUE DATE: Tuesday, October 9, at the beginning of class