Friday, Oct. 14 - Fall '22 Lecture #20 1

Announcements / Reminders

\* Wiley Plus # 7 due next Wed [23, 24, 2.5]

\* No discussion next Thurs, no lecture next Fri!

(so no quiz next week)

\* Exam 2 is Wed, Oct 26 (not next week)

covers material from Fri, Sept 30

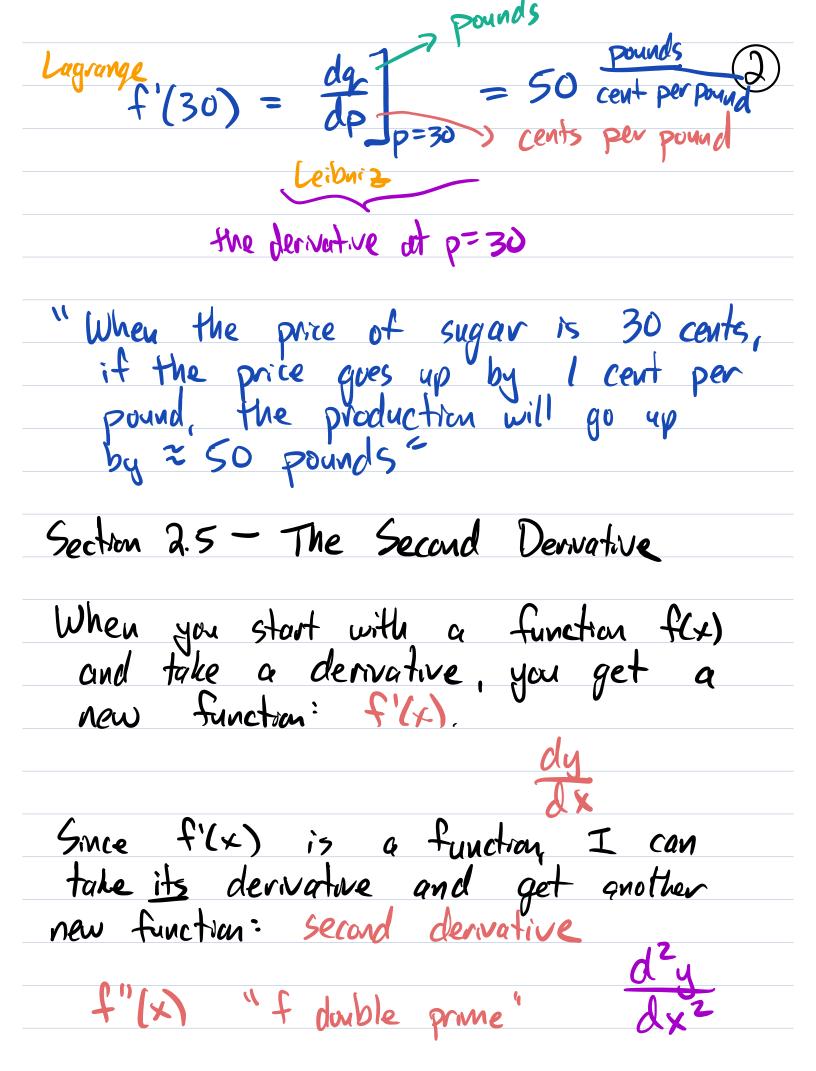
to Marday, Oct 24

f'(x) us. dy

Ex: If q = f(p) is the # of pounds
of sugar produced by a many facturer
when the price per pound is p
cents, then what are the units and
the meaning of f'(30) = 50.

p= 4 per pound # of painds produced

input
output



Third derivative: f"(x) Fourth derivative: f(4)(x) or What does f"(x) tell you about f(x)? Recall: (If f'>0, then f is increasing. f' <0, then f is decreasing. f'20 f'>0 p f(x) t,20 f">0, then is increasing f" < 0, then

