09/21/2023

Lost Time: Exam I

Today: Product + Quotient Rule, 3.2

Future: Quest HW Dre M

Grade Scope HW Dre W

Exum I is 10/17

The Exem was hard but everything was based on

1 Class 1 Quest 3 Gradoscope

#2 - 08/22 Notes: write (13)2x-3 = a.3bx, find 9,6

G000

- · Study in groups.
- · Being the teacher
- . Getting Help at Singer LC.
- · Little noth every day >
- · Lots of most once a week.
- · Mstes or good before The test.
- · West Keurus
- · Go thru the Ckiss exemples

- · Finding the pettern, not understanding the problem.
- · Not using the textsook
- . The internet should not solve our Hew.
- · Weiting till the lost unut & review / to How/ study /...

My ideas: @ Get to cless early,
1 During Class: 1 Turn on the Pocus setting
1 Post it owen
3 Sit where you won't be distracted
4) Work The problems
5 If you do it know what to do, ASK.
2) After Class: 1) Do noth within 2 hours of class
ending
2 Do noth every dry
3 Go to Discussion Section
https://en.wikipedia.org/wiki/Forgetting_curve
(4) When something doesn't make suse, ASK!
3) Places for extra Help: 1) Songer Learning Conter
② UT Cake Lob
3 Engineering Resources
(1) Good
2 Bed lut optimistic.
3 Overbelmed. Course Switch
Drop 408C
PRK UP 3056
•

Find the eguster of the line tengent to y=x+ that passes this (0,-2). (y-b=m(x-a) OR (a, b)

(a, c)

(a, c)

(a, c)

to cauch the slope from (c, b) to (to equal the slope from (6,6) to (0,-2) $y'=2x \Rightarrow 2a$ $\Rightarrow 2a = \frac{6+2}{a}$: 202= 6+2 202= Q2+2 4+2=252(X-0) $q = \pm \sqrt{2}$ y+z=-212(x-0) $\Rightarrow (\sqrt{2},2)=(c,b)$ (-52,2) = (9,6) y-2=2/2(x-/2) $m=2\sqrt{2}$ or $-2\sqrt{2}$

$$\left[f(x) \pm g(x) \right]' = f'(x) \pm g'(x)$$

$$\left[f(x) \pm g(x) \right]' = \left[(2x) \cdot (2x) \right]'$$

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Product Rules

$$= C \cdot f(x)$$

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$$c \qquad f(x)$$

Quotient Rule:
$$\left[\frac{f(x)}{g(x)}\right] = \frac{f' \cdot g - g \cdot f}{g^2}$$

$$= \frac{(x+1)_5}{(x+1)_5} = \frac{(x+1)_5}{(x+1)_5} = \frac{(x+1)_5}{(x+1)_5}$$