Lesson 59

Agenda: 10/210/15

(alc AB

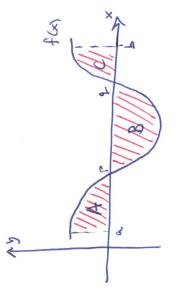
HW Leader

lesson 59

Comparting Areas

With a graphing Calc

A Chriz back offer lesson

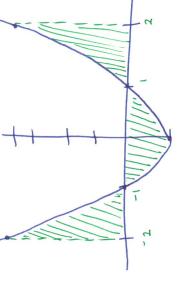


[fx)dx = A+C-B + Area

= fx3dx - fx3dx + fx3dx Total Area = A + B + (

of y=x2-1 and He x-axs one F 59,2 Find the area of the region bounded by the graph the interval [-2,2]





$$= \left(\frac{x^3}{3} - x\right) \Big|_{-2}^{-1} - \left(\frac{x^3}{3} - x\right) \Big|_{-1}^{1} + \left(\frac{x^3}{3} - x\right) \Big|_{1}^{2} + \left(\frac{x^3}{3} - x\right) \Big|_{1}^{2}$$

$$= \left(\frac{-1}{3} + 1\right) - \left(\frac{(2^3)^3}{3} + 2\right) - \left(\frac{1}{3} - 1\right) + \left(\frac{(2^3)^3}{3} + 1\right) + \left(\frac{2^3}{3} - 2\right) - \left(\frac{1}{3} - 1\right)$$

$$= \frac{2}{3} + \frac{2}{3} + \frac{2}{3} + \frac{2}{3} + \frac{2}{3} + \frac{2}{3} + \frac{2}{3} = \frac{12}{3} = \frac{12}{3} = \frac{1}{3} =$$

fn Int (x2-1,x,-2,2)=1.33 On your Garphing Calculator:

frInt((x21), x, -2, -1) - frInt(x21, x, -1, 1) + fr Int(x2-1, x, 1, 2) = 4

Trimester Firal

10/26/15

* Counts as Two Tests for Trimester 1

A Make your own study awide based on This Part 1

. 13 multiple Choire greations (1.2 points each AP store) (WAP LESSON SD)

. I free response on Limits Definition of Continuity. (9 points)

Part 2 Twstifications

- (9 points) · free response on Riemann Sums and function behavior estimating area under a curve wing Rieman sums
- fungent was
- Critical points

free response on Critical points of a function, Max; mins, increasing, decreusing (9, points)

· free response on Implicit Differentiation (Apoints)

- finding y-interepts
 - ×p/cyo Fred to
- determine whether the lines tangentat the y-intercepts are parallel
- points where tungent line is honzontal

Total: (1,2) x13 + 36 = 13 +36 + 2.6 = 41.6

* HW Sq Dre Thesolay 10/27 A HW 60 Dre Monday 11/2

