Commands on the TI-83/4 calculator are a big part of this lesson. A few important commands are as follows: (1.) to edit lists: STAT -> EDIT, (2.) to get y1: VARS -> YVARS -> FUNCTION -> Y1. (3.) sequence of x_i's: seq(x_i,i,i_0,i_max,1). (4.) sequence: LIST -> OPS -> SEQ \odot (5.) sum: LIST -> MATH -> SUM. The basic list structure used is below. Notetaker's name _____ Class ____ ___ Date <u>____</u>ญ_____ ________ List 1: (L1): x_i's use sequence List 2: (L2): "y1(L1)" make sure to enter y1 Ch<u>17</u> List_3: (L3): coefficients such as 1, 2, , 2, 1 Numerical Internation List 4: (L4): "L2*L3" Home screen: (dx/factor)*sum(L4) numerical integration already · We have is methods 1) Right $\frac{R_{x}}{R_{x}} = \Delta x \left(\frac{f(x_{1}) + f(x_{2}) + f(x_{3})}{R_{x}} \right)$ Riman $L_{3} = \Delta x (f(x_{0}) + f(x_{1}) - f(x_{0}))$ +191 (C Stan 3) Midpoint 4) Trapezoidal Rule + 5) Simoson's Rule. Area = $\Delta x \left(\frac{Y_1 + Y_2}{2} \right)$ = = (y, - y_2) 2 $T_{c} = \frac{\Delta x}{2} (f(x_{0}) + f(x_{0})) + \frac{x}{2} (f(x_{0}) + f(x_{0}))^{1} + \frac{\Delta x}{2} (f(x_{0}) + f(x_{0$ ر <u>م</u> e dx €x,T UBE -10 _ SPPTOX 2'norgenic Rule <u> 12 - = (1+(x2) + 1+(x2) + 2+(x2) + 4+(x2) + 1+ (x2) + 1+ (x2)) = 18121</u>

Z:x∋

+ in Q ~ + # "[≈]٦ * ′٦ " 2154242400. 2481200. <u>, ('٦) '٨,</u> + 2272 25000 HEORFESS ROT. NO DELDK X4 4× 5/ · · · · · · · · · · · +727 $\frac{1}{2}$ + $i = j \times$ 1. 1 ... 1. 1. 1 -9",T $\frac{1}{2} = \frac{1}{2} - (1560) + 24(1-13) + 2(1-15) + 24(1+23) + 14(23)) - \frac{1}{2} = 1$ (E. L. X. (X) to Earl and whether whether is in a more than the second s ጋ፝፝ኯ፝፝፝፝ t+ witax Date Movel etsO Notetaker's name Class \odot

	WHAN It (XI) & K ON I'N' PJ
	EN & 50 00
- (v-9)
2) available 20 4	$\frac{12 \sqrt{2}}{ E^{+} \neq K(P^{-\alpha})_{3}} = \frac{1}{ A }$
	error = Doundz.
	Jun = 1 + xach anewer - approx = +
	HINRY RELATIONS - SUBJECT FRANK

	· · · · · · · · · · · · · · · · · · ·
	· · · · · · · · · · · · · · · · · · ·
CF0000 -	1571
	(2), 526 - 1 - 1
↓ <u>+</u> 952 = ×	
1=X B [5,1] no * + 275 = X 520000 -	x www. x + 9 = 2 = 1 x + - (b)
	x+ - + - = =============================
(a, p, i w x s (x) 3 s	Jaym
¥	1E=1 < K(P-4)
n's Rule.	Ecrot bound for Simeson
±2	ÞSOU: =
×	
	+91 = (x) ₁₁)+
×= (x),= 4, x = x =	x> = (x),}
	Find K in out crample
	<u>در</u> ۲۰۰۰
lass Date	Jotetaker's name

O