Tuesday 11/5 Today's Topic: Evaluating Riemann Sums							
Warm-Up: Evaluate $\sum_{k=1}^{4} \left[\left(1 + \frac{1}{2}k \right)^2 \cdot \frac{1}{2} \right]$							
In-Class Examples: Handout							
AP Multiple Choice							
Let f be the function given by $f(x) = 9^x$. If four subintervals of equal length are used, what is the value of the							
right Riemann sum approximation on the interval $[0,2]$?							
(A) 20 (B) 40 (C) 60 (D) 80 (E) 120							
Homework: Worksheet 51							

Wednesday 11/6	Today's Topic: Approximating Area using Riemann Sums
Warm-Up: Find the are	ea of the trapezoid:
In-Class Examples: 1)	Approximate the area under the curve $f(x) = \sin x$ on $[0, \pi]$ using a Trapezoidal Approximation with 4
	subintervals of equal width. Is this approximation an underestimate or an overestimate of the actual area?

Homework: Worksheet 52

Thursday 11/7	1	Today's Top	oic: A	pproz	ximat	ing A	rea us	ing	Rier	manr	ı Sur	ns –	Tab	le Pr	oble	ms			
In-Class Exam	nples: Notes Ha	andout																 	
AP Multiple C	choice																		
			x	0	25	30	50												
		f	f(x)	4	6	8	12												
		Ļ				I	1	1											
The values of	a continuous f	unction f for	select	ted va	alues o	of x a	ire giv	en i	in the	e tab	le ab	ove.	Wha	at is	the v	alue	of		
the left Riema	nn sum approx	timation usi	ng th	ree s	ubinte	ervals	s?									?			
(A) 290	(B) 360	(C) 380		(D) 3	390	((E) 4	30											
Homework: W	/orksheet 53																	 	

Homework: Worksheet 54



 Thursday 11/14
 Today's Topic: Area Between two curves about the y-axis ("right minus left")

 In-Class Examples: Notes Handout
 Homework: Worksheet 56

Friday 11/15	Today's Topic: Average "Y" Value and Review					
In-Class Examples: Ex	x. 1 Find the average value of $f(x) = 4 - x^2$ on $[0,3]$.					
Ex. 2 Find the average value of $f(x) = x^2 - 1$ on $\begin{bmatrix} 0, \sqrt{3} \end{bmatrix}$.						
AP Multiple Choice						
Let f be the function	defined by $f(x) = \frac{1}{x}$. What is the average value of <i>f</i> on the interval [4, 6]?					
(A) $-\frac{1}{24}$ (B)	$\frac{5}{24}$ (C) $\frac{1}{2}\ln\frac{3}{2}$ (D) $\ln\frac{3}{2}$ (E) $\frac{1}{2}\ln 2$					
Homework: Workshee	t 57 and Worksheet 58					

Monday 11/18	Today's Topic: Review for Test					
In-Class Examples: Riemann Sums, Exact Areas, Average "Y" Value						
Homework: Review						

Tuesday 11/19	Today's Topic: Riemann Sums, Areas, Average "Y" Value Test					
In-Class Examples: Rie	emann Sums, Areas, Average "Y" Value					
Homework: None						