BC	CVICIII	IIC DI	RACTICE	6 1 B	/6 2 A
DC	CALCU	LUS PI	KACHCE	D.TD	/ O.ZA

Name:	Period	

Aisle : \_\_\_\_\_

pg. 566; 1, 3, 5, 6 Trapezoid only pg. 363 – 9-33 every other odd

Use n=4 subintervals to approximate the area under f(x) over [a,b] by the trapezoidal method. Sketch the graph with the trapezoids.

graph with the trapezoids. 1. $f(x) = \sqrt{x-1}$ ; [2,5]	$3. f(x) = \sin x; [0, \pi]$
$5. f(x) = e^x; [1,4]$	1 50.01
5. $f(x) = e^{-x}$ ; [1,4]	$6. f(x) = \frac{1}{2x+1}; [0,2]$

Evaluate	
9.	13.
$\int x^8 dx =$	$\int \left( x^{-3} - 3x^{\frac{1}{4}} + 8x^2 \right) dx$
J	
$\int x^{5/7} dx =$	
J x ax =	

17. 
$$\int x^{1/3} (2-x)^2 dx$$
 
$$\int \left(\frac{2}{x} + 3e^x\right) dx$$

 $\int x^3 \sqrt{x} dx =$ 

$$\int \sec x (\sec x + \tan x) dx$$

$$29.$$

$$\int \frac{\sin x}{\cos^2 x} dx$$

$$\int \left(\frac{1}{2\sqrt{1-x^2}} - \frac{3}{1+x^2}\right) dx$$