Chapter 7.2 Worksheet

Name _____

	Objectives	Rate your understanding of the objective				
Objective 1	Understand how to find a volume by integrating the area of a cross section.	1	2	3	4	5
Objective 2	Calculate solids of revolution with the washer method.	1	2	3	4	5
Objective 3	Calculate solids of revolution with the disk method.	1	2	3	4	5

Warmup

Evaluate the folowing integrals. (By yourself)

1. $\displaystyle\int e^x \sin(x)dx$
2. $\displaystyle\int \frac{\ln(x)}{x^2}dx$
3. $\displaystyle\sum_{n=1}^{\infty}(-1)^n \frac{n+1}{n^2 + 7n - 1}$

Problems

These problems involve the definition of the derivative. You may reference Example 205 in your example packet. (By yourself)

1. State the definition of the derivative.
2. $\displaystyle\sum_{n=1}^{\infty}(-1)^n \frac{1}{n+7}$
3. $\displaystyle\sum_{n=1}^{\infty}(-1)^n \frac{n+1}{n^2 + 7n - 1}$

These problems involve the definition of the derivative. You may reference Example XXX in your example packet. (Groups)

1. $\displaystyle\sum_{n=1}^{\infty}(-1)^n \frac{n+1}{n^2 + 7n - 1}$

These problems involve the definition of the derivative. You may reference Example XXX in your example packet. (Groups)

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These problems involve the definition of the derivative. You may reference Example XXX in your example packet. (Self Quiz)

1. $\displaystyle\sum_{n=1}^{\infty}(-1)^{n+1} \frac{1}{n^2 + 7}$
2. $\displaystyle\sum_{n=1}^{\infty}(-1)^n \frac{1}{n+7}$

Reflection

Objectives		Rate your understanding of the objective				
Objective 1	write the objective here if it gets too long continue it here	1	2	3	4	5
Objective 2	write the objective here	1	2	3	4	5
Objective 3	write the objective here	1	2	3	4	5

Study Skills:

- Remember to read through examples from the book BEFORE your professor goes over the section in class.

- After class read through the examples in your notes from that day and try to do the problems yourself (without looking at your notes).

- After class read through the examples from the book in the section you JUST covered and make sure you understand them.