Reading Quiz 08 for Calculus 3096

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Name:	Student ID #:	Score :	
Read pages 298-301, 318-322, 32	26-329, 335, 339 of chapter 6		
1. What does it mean to ant	idifferentiate a function?		
2. State the formula for $\int h(x^r) dx = \int x^r (r \neq -1) dx = \int x^r (r \neq -1) dx$	(x) dx for each of the following	g functions.	
(a) $\int x (t \neq -1) dx = 0$ (b) $\int e^r dx = 0$ (c) $\int \frac{1}{x} dx = 0$ (d) $\int kf(x) dx = 0$			
(e) $\int f(x) dx =$			
3. State the Fundamental Th	neorem of Calculus.		
4. Outline a procedure for fin	nding the area of the region b	ounded by two curves.	
5. State the formula for each	of the following quantities:		
(a) average value of a fun	nction f on the interval $[a, b]$		

(b) volume of a solid of revolution