## Chapter 1.4: Logarithm Exercises Calculus I

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1.		wer the following questions without using a calculator. to explain why the answers are what they are.	You should	be
	(a)	What is $\log(1000)$ ?		
	(b)	What is $\log 10^4$ ?		
	(c)	What is $log(1)$ ?		
	(d)	What is $\log(0)$ ?		
	(e)	What is $\log(-10)$ ?		
	(f)	What is $\log(0.1)$ ?		
	(g)	log(5000) is between what two integers?		
2.	Use	your calculator to answer the following questions:		
	(a)	What is $\log(200)$ ?		
	(b)	What is $\log(0.64)$ ?		
	(c)	What is $\log(-5)$ ?		

## 3. Solve for z:

$$10^x = 20. (1)$$

$$20^x = 10. (2)$$

$$2^{3x} = 20. (3)$$

$$2^x = 3x. (4)$$