

# Chapter 1.4: Logarithm Exercises

## Calculus I

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1. Answer the following questions without using a calculator. You should be able to explain why the answers are what they are.
  - (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  $\log(0.64)$ ?