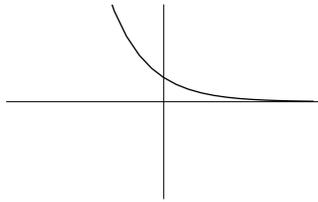# Math Xb—Spring 2004
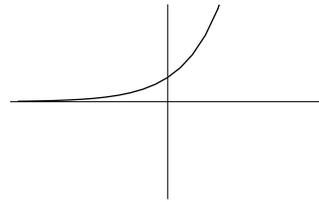
Graphs of Exponential and Logarithmic Functions

1. Choose the graph that best fits the function

$$f(x) = -\ln(x+1).$$
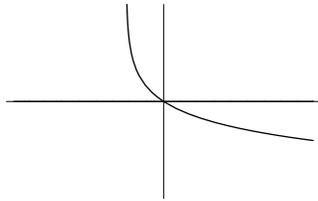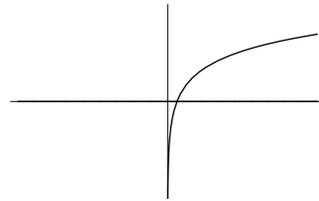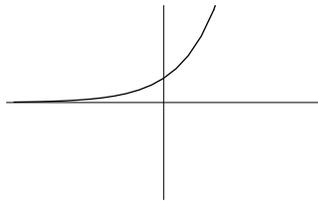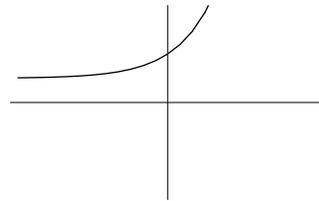
(a)

(c)

(b)

(d)

2. Choose the graph that best fits the function
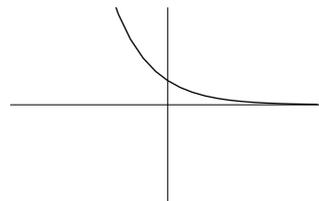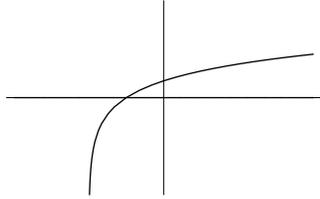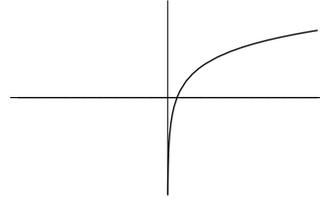
$$f(x) = e^x + 1.$$

(a)

(c)

(b)
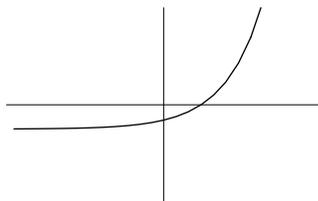
(d)

3. Choose the graph that best fits the function

$$f(x) = \ln 4x.$$

(a)

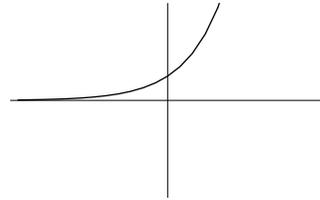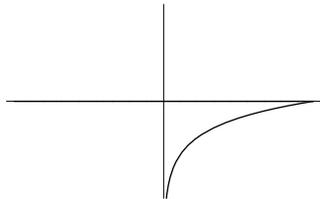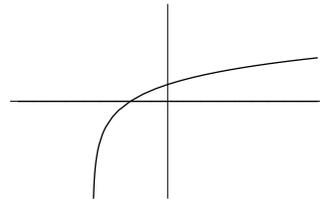
(c)

(b)
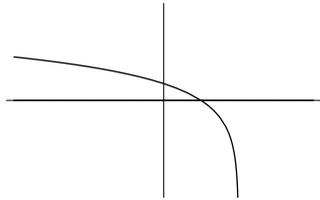
(d)

4. Choose the graph that best fits the function

$$f(x) = \ln\left(\frac{x}{4}\right).$$

(a)

(c)

(b)
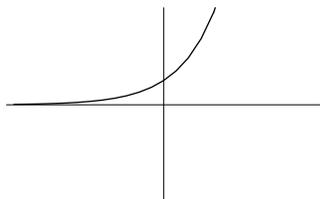
(d)

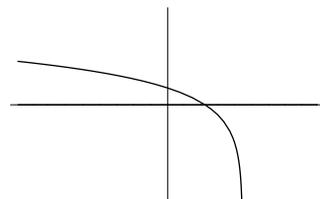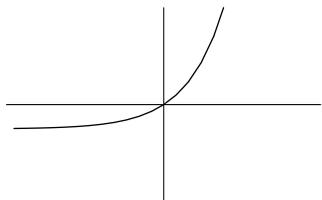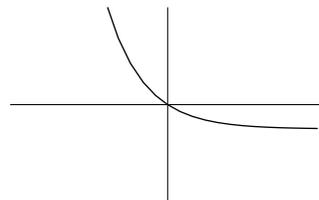5. Choose the graph that best fits the function

$$f(x) = e^{-x} - 1.$$

(a)

(c)

(b)

(d)

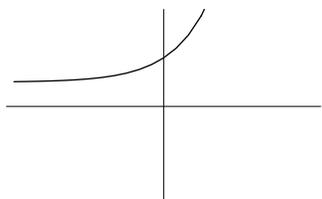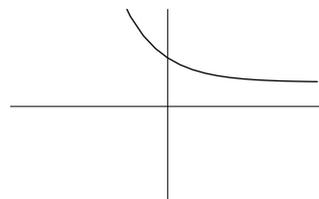# Answers

1. b   2. c   3. c   4. a   5. c