

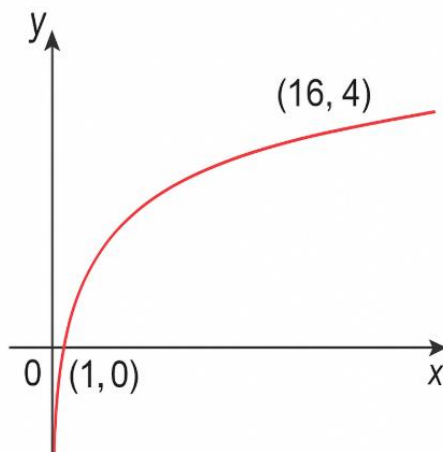
Name:

Date:

Logarithmic Function _ Exam Style Questions

1. [Maximum mark: 6]

The sketch shows the graph of $y = \log_b x$. Find the value of b .



2. [Maximum mark: 6]

Given that $g(x) = 5 - 3 \ln x$, find $g^{-1}(x)$ and state its domain.

3. [Maximum mark: 6]

Given that $f(x) = e^{2x-3} + 5$ find $f^{-1}(x)$ and state its domain.