

AP Calculus
1.5 Worksheet

All work must be shown in this course for full credit. Unsupported answers may receive NO credit.

1. **Explain** how to FIND an inverse of a given function algebraically.

2. **Explain** how to VERIFY two functions are inverses of each other.

3. Let $f(x) = 1 - \ln(x - 2)$.

a) What is the domain of f ?

b) What is the range of f ?

c) What are the x -intercepts of the graph of f ?

d) Find f^{-1} .

e) Verify your answer to part d .

4. Complete the following questions from the textbook: p44 #13, 15, 18, 23, 33, 34, 37 – 42, 46, 48, 49, 54, 55, and 57