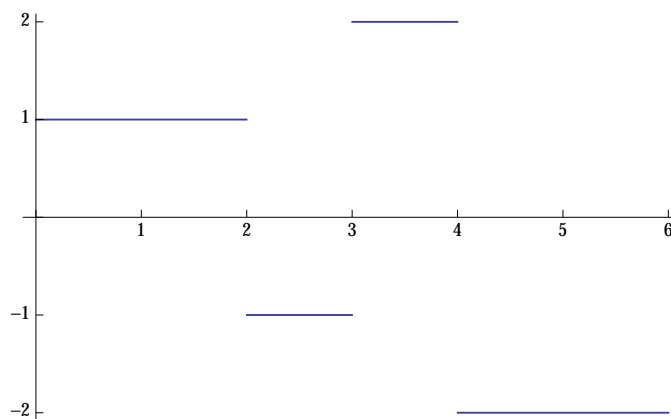


HOMEWORK 19
APPLIED CALCULUS
DUE 2013-11-12

Show your work!

(1) Compute $\int \left(\frac{y-1}{y}\right)^2 dy$.

(2) The picture below is a graph of $y' = f'(x)$.



(a) Draw (not just sketch) the graph of $y = f(x)$, assuming that it is continuous (no sudden jumps or breaks) and that $f(3) = 0$.

(b) What is the value of $f(0)$? What about $f(6)$?

- **Eight** book problems: #13.1.34, 42, 45, 49, 51, 56, 58, 59.