1. Let $f(x) = 5 - 2^{-x+1}$

(a) Graph $y = f(x)$.
(b) From your graph in part (a), state the domain and range of $f$.
(c) From your graph in part (a), explain why $f$ is one-to-one.
(d) Find a formula for $f^{-1}(x)$.
(e) Check your answer to part (d) using function composition.