Exercises

16.37 [1FT]Prerequisites:[1BR],[1FR].Difficulty:. Evaluate for which $r > 0$ we have that the Taylor remainder of $f(x) = -\log(1 - x)$ is infinitesimal in n, uniformly for $|x| < r$; this, using the remainder seen in [(16.34)], using the integral remainder or using the Lagrange remainder.

Solution 1. *[1FV]*