Calculus II : Quiz 10

Name

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1. a) Find the Maclaurin series of $f(x) = \dfrac{1}{1-x}$ and its interval of convergence?

b) Integrate both sides of the result from part a) to get the Maclaurin series of $f(x) = -\ln(1-x)$.

c) Modify the result from part b) to get the Maclaurin series of $f(x) = \ln(1 - x^2)$.