

Quiz 7

MATH 112-017 and 112-019

New Jersey Inst. Tech.

Prof. Nicholas Dubicki

Time Limit: 15 min.

Name: _____

Date: _____

Section: _____

1. Take the following power series. In any order you please: identify the center of the series, identify the radius of convergence, and solve for the interval of convergence. Sketch the interval of convergence on the real number line.

$$S(x) = \sum_{n=1}^{\infty} \frac{(3x+1)^{n+1}}{2n+2}$$