

Quiz 5 — 10/13/16

Answer all questions in a clear and concise manner. Answers that are without explanations or are poorly presented may not receive full credit.

1. Determine the radius of convergence of the following series:

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

2. Find a power series for the function below (center at 0)

$$f(x) = \frac{4}{x+2}$$