

Quiz 7

Ten points.

1. Determine if the following sum converges or diverges.

$$\sum_{n=1}^{\infty} \frac{(7n+5)^n}{\sqrt{n^{3n}}}.$$

Quiz 8

Ten points.

1. Find the MacLauren power series representation for $\int \cos(\sqrt{x}) dx$. Put your answer in sigma form.