

Quiz 5 — 10/05/17

Name: _____ Section and/or TA: _____

Answer all questions in a clear and concise manner. Unsupported answers will receive *no credit*.

1. Use the Integral Test to determine whether the series $\sum_{n=1}^{\infty} \frac{n}{n^2 + 1}$ is convergent or divergent.

2. Determine if the series $\sum_{n=2}^{\infty} \frac{\cos(n\pi)}{\sqrt{n}}$ is convergent or divergent.