

Name: _____

MATH 19 QUIZ
10 NOVEMBER 2016
BROWN UNIVERSITY
INSTRUCTOR: SAMUEL S. WATSON

1. Classify as conditionally convergent, absolutely convergent, or divergent: $\sum_{n=1}^{\infty} \frac{(-1)^n \sin n}{n^2}$.

2. Find the quadratic approximation of $f(x) = \ln(1+x)$ centered at $x = 0$.