

Name: \_\_\_\_\_

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

1. Determine convergence or divergence of each of the following series.

(a)  $1 + \frac{1}{2} + \frac{1}{3} + \frac{1}{4} + \cdots$

(b)  $\sum_{n=1}^{\infty} \frac{1}{\sqrt{n^4 + 1}}$