Math. 126 Quizz #8
March 30, 1999

Determine which of the series below converge and which diverge. A brief indication of your reasoning should be given.

(a) $\displaystyle\sum_{n=1}^{\infty} \frac{1}{n}$ (b) $\displaystyle\sum_{n=1}^{\infty} \frac{1}{\sqrt{n^3}}$ (c) $\displaystyle\sum_{n=0}^{\infty} \frac{1}{2^n}$ (d) $\displaystyle\sum_{n=1}^{\infty} \frac{1}{n^2+1}$