

MATH 17 – QUIZ 6
8 NOVEMBER 2010

Name: _____

NO CALCULATORS

1. Determine whether the following series converge or diverge. If you can, find the value of the sum.

(a) $\sum_{n=1}^{\infty} \left(\frac{n+1}{n} \right)^n$

(b) $\sum_{n=1}^{\infty} \frac{5 \cdot 2^n}{3^n}$

(c) $\sum_{n=0}^{\infty} \frac{1}{n^2 + n + 1}$