ESP Quiz 6 (Kouba)

Please PRINT your name here : _____

This quiz is due next Tuesday at the beginning of ESP.

1.) (10 pts. each) Do the following series converge or diverge ? Briefly explain and name the test that you are using.

a.) $\sum_{n=3}^{\infty} \frac{1}{n^{0.999}}$

b.) $\sum_{n=2}^{\infty} 3\left(\frac{-5}{4}\right)^{n+3}$

c.) $\sum_{n=1}^{\infty} \frac{2n+3}{3n+4}$

d.) $\sum_{n=1}^{\infty} \left(\frac{1}{n+3} - \frac{1}{n+4}\right)$

2.) (10 pts. each) Determine the value of the following convergent series :

$12 - 8 + 16/3 - 32/9 + 64/27 - \cdots$