Math 222 - Quiz 9

Section: _____

Name:

Problem 1 Compute the limit $\lim_{n\to+\infty}\frac{e^n+n}{n^6-\pi^n}$. You may use any properties of limits that have been covered. In particular, you do not need to provide and ε proof.

Problem 2 Compute the limit of $\lim_{n\to+\infty}\frac{n^2-n}{1-n-n^2}$. Prove the convergence of the limit using an ε proof.