

Name:

ID #:

Section 6

Serial #:

Q1. (5 points) $\lim_{x \rightarrow 0} \left(\frac{e^x - 1}{x^3 - x^2} - \frac{1}{(x^2 - x) \sec x} \right)$.

Q2. (5 points) $\lim_{x \rightarrow -\infty} (\sqrt{x^2 + x} + x)$.

Q3. (10 points) Sketch the graph of $f(x) = \frac{x-2+x^2}{x^2-1}$ writing all details.

With My Best Wishes