Math 108   **Name** (print)_____

Quiz 8   **Spring 2006**

Work carefully and neatly. You must show all relevant work! You may receive no credit if there is insufficient work. NO GRAPHING CALCULATORS!

[6pts]   1. Find all vertical and horizontal asymptotes of the graph of the given function (Do Not Graph).

(a) $f(x) = \dfrac{x}{2 - x}$

(b) $f(t) = \dfrac{t + 2}{t^2}$

[4pts]   2. Sketch the graph of $f(x) = \dfrac{2x - 4}{x + 1}$. Be sure to include asymptotes, intercepts and any local extrema.