Name:
November 13, 2015
MAC 1105.1A26
Cyr

Quiz 11
You must show all work to receive full credit!!

Problem 1. (3 pts) Let $f(x) = \dfrac{x^2 - 2x - 3}{2x^2 - 3x - 5}$.

(a) Find the equations of the vertical and horizontal asymptotes for the graph of f.

(b) Does the graph of f have any holes? If so, find the coordinates of the holes.

Problem 2. (2 pts) Solve the following system of equations (write your final answer as an ordered pair):

$4x - 5y = -11$

$2x + \ \ y = 5$