

Retake 4

MAT 123, SUMMER 2016

NAME:

1. (10 points) Let $f(x) = \frac{x+1}{3x-2}$. Find the vertical and horizontal asymptotes of the function.

2. (10 points) Find the solutions using Gaussian elimination.

(a)

$$\begin{aligned}x - 4y &= -2 \\ -2x + y &= -3\end{aligned}$$

(b)

$$\begin{aligned}x_1 - 3x_2 &= -5 \\ -3x_1 - x_2 &= 5\end{aligned}$$