

Quiz 4: Rational functions and matrices MAT 123, SUMMER 2016

NAME:

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

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

(a)

$$x - 2y = 1$$

$$2x - y = 5$$

(b)

$$x_1 + 3x_2 = 1$$

$$3x_1 - 2x_2 = 14$$