NAME:

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

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

   (a)

$$x - 4y = -2$$
$$-2x + y = -3$$

   (b)

$$x_1 - 3x_2 = -5$$
$$-3x_1 - x_2 = 5$$