

Name: _____

You must show all work for full credit.

$$\text{Let } f(x) = \frac{(3x - 1)(x + 5)}{(-x - 9)(5x - 1)}.$$

(a) What are the vertical asymptotes?

(b) What is the horizontal asymptote?

(c) What are the x -intercepts?

(d) What is the y -intercept?