

Name: _____ Section: _____

Problem 1. Let $f(x) = \frac{3x^2}{18 - 2x^2}$.

(a) Find the x -intercept. (1 point.)

(b) Find the vertical asymptotes. (2 points.)

(c) Find the horizontal asymptote. (2 points.)

(d) Use the information above along with a few additional points to sketch the graph below. (5 points.)