GRAL-3 Graphing Rationals (complete all parts for M, complete parts a-d for P)

$$f(x) = \frac{3x^2 + 6}{x^2 - 2x - 3}$$

a) State the domain in interval notation.   c) State the asymptotes.

b) State the intercepts.   d) State any deleted points.

e) Provide a sketch of the graph.