

Lesson 7.2

1. Determine each of the following for the function $y = \frac{2x^2 - 8}{x^2 - 16}$.
 - (a) Domain, x -intercepts, y -intercept
 - (b) Vertical asymptotes and nearby behavior
 - (c) Horizontal asymptotes
 - (d) Critical points
 - (e) Intervals of increase/decrease, and local extrema
 - (f) Intervals of concavity and inflection points
 - (g) Sketch of the graph