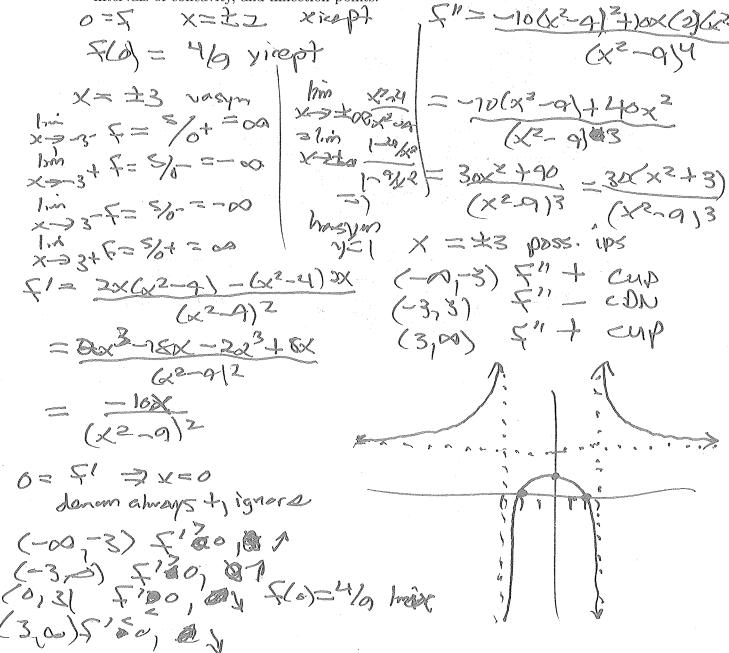


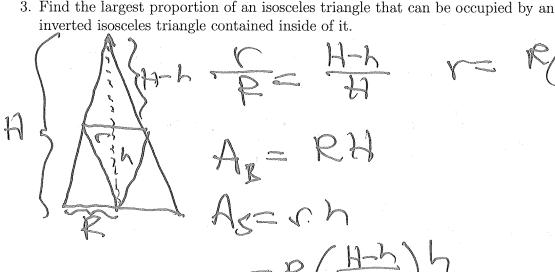
Each problem is worth 25 points. Show all your work for full credit; numerical or graphical estimates are unacceptable unless specifically requested.

1. Graph by hand:

$$f(x) = \frac{x^2 - 4}{x^2 - 9}$$

Show all intercepts, asymptotes, intervals of increase/decrease, local extrema, intervals of concavity, and inflection points.





$$A(a) = 0$$

$$A(H) = c$$