

MATH 221 QUIZ 7
NOVEMBER 4, 2013

Solve the following problem, showing all your work.

Consider the function

$$f(x) = x^3 + \frac{1}{x^2}.$$

Find all (horizontal, vertical, or slant) asymptotes, zeros, stationary/critical points, inflection points, and any other information you need to accurately graph the function. Draw an accurate graph of the function, clearly labelling all the information you just found.