KEL

Math 125-Quiz 27 December 5, 2011

You have 10 minutes to complete this quiz. You may use a calculator for arithmetic only. Be careful about justifying your answers and showing your work.

Graph the function

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

Pay attention to the domain of f, any symmetry that f has, and any asymptotes has. State the intervals on which f is increasing, those on which f is decreasing, an any local maximums or minimums. State also where f is concave up or concave down.

Power,
$$\chi \neq 0$$

Symploy: f_{-1} odd

as prototes

H > lin $f(x) = \infty$
 $\chi \to \infty$
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