

MATH 2200 - DIFFERENTIAL CALCULUS, Fall, 2005

QUIZ 6 11/2/05

Name : _____

Sketch the graph of the function $f(x)$ based on the description given below:

- $f(x)$ has intercepts at $(0, 0)$ and $(2, 0)$.
- $x = 1$ is a vertical asymptote, and $y = 1$ and a horizontal asymptote of $f(x)$.
- $f(x)$ is concave-down on $(-\infty, \infty)$.
- $f(x)$ is decreasing on $(-\infty, 1)$ and increasing on $(1, \infty)$.

