${\bf Math~223~Quiz~4}$ 

Name:

Sketch the level curves of  $f(x,y) = \frac{y}{x^2}$  for c = -2, -1, 0, 1, 2 in  $\mathbf{R}^2$ . Then use this information to sketch the graph of f(x,y) in  $\mathbf{R}^3$ .