Math 182

Quiz 3

Name: _____

September 14, 2004

Show all work for credit.

1. Let
$$f(x) = \frac{-\sin(x\pi)}{x}$$
 on $(1, 2)$.

- (a) Sketch a graph of f(x).
- (b) Find the volume of the solid obtained by rotating f about the y-axis.