Math 101 – Section 7

Name: _____

Quiz 7

Signature: _____

Let R be the region between the graph of $y = \dfrac{x}{x^3 + 1}$ and the x-axis for $0 \leq x \leq 1$.

1. Find the volume V of the solid obtained by revolving R about the x-axis.

2. Find the volume W of the solid obtained by revolving R about the y-axis.