


Name: _____

QUIZ 4 

MATH 201
January 28, 2025

1. The region enclosed by $y = \frac{1}{1+x^4}$, $x = 0$, $x = 1$ and $y = 0$ is rotated about the y -axis.
Use the shell method to find the volume of the resulting solid.

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QUIZ 4 

MATH 201
January 28, 2025

1. The region enclosed by $y = \frac{3x}{1+x^3}$, $x = 0$, $x = 3$ and $y = 0$ is rotated about the y -axis.
Use the shell method to find the volume of the resulting solid.