Name: _____

Quiz 6 ♠

MATH 201
February 6, 2024

1. The curve $y = \frac{1}{3}x^3$ for $1 \leq x \leq 2$ is rotated around the x-axis.

   Find the area of the resulting surface.

Name: _____

Quiz 6 ♢

MATH 201
February 6, 2024

1. The curve $y = \sqrt{1 - x^2}$ for $-1/2 \leq x \leq 1/2$ is rotated around the x-axis.
   Find the area of the resulting surface.

Name: _____

Quiz 6 ♣

MATH 201
February 6, 2024

1. The curve $y = 2\sqrt{x}$ for $0 \leq x \leq 3$ is rotated around the x-axis.

   Find the area of the resulting surface.

Name: _____

Quiz 6 ♡

MATH 201
February 6, 2024

1. The curve $y = \frac{1}{2}\left(e^x + e^{-x}\right)$ for $0 \leq x \leq 2$ is rotated around the x-axis.

   Find the area of the resulting surface.