MATH 202, Fall 2023
In class work week 2(a)

Name: _____

Row and Seat: _____

In class work **2(a)** has questions **1** through **2** with a total of **10** points. Turn in your work at the end of class *on paper*. This assignment is due *Tuesday 29 August 13:20*.

5   1. Let a be a positive number. Find the length of the curve $y = a\left(\frac{x}{a}\right)^{3/2}$ where $0 \le x \le a$.

5 2. Let a be a positive number. Find the surface area of the solid generated by rotating the curve $y = a\sqrt{\frac{x}{a}}$ where $0 \le x \le a$ about the x-axis.