

Name:
Department:

Grade: /10

Math 101, Calculus I, Fall 2023, Sec. 1, HTK
Quiz 4, Tue., Nov. 21

1. Find the smallest possible value of the sum of two positive numbers if their product is 8 (or 27).

2. Evaluate $\frac{d^2}{dx^2} \int_0^{x^2} (x - \sqrt{t})f(t) dt$. Evaluate $\frac{d^2}{dx^2} \int_0^{\sqrt{x}} (x - t^2)f(t) dt$.