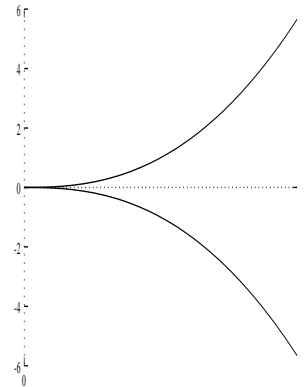


Quiz #7

Quiz Section: _____

SHOW YOUR WORK

1. (4 points) Write down an integral that computes the arclength along the curve given by $y^2 = x^5$ between the points $(0, 0)$ and $(1, -1)$. **Do not evaluate the integral.**



2. (6 points) Find the center of mass of the region bounded by the curve $y = 4 - x^2$ and the line $y = 0$.

