R. Bruner Math 2020, Winter 2007, Quiz 8 28 February 2007

Consider the curve $x(t) = t^4 - t$, $y(t) = t^4 - t^3$.

- 1. Compute dy/dx.
- 2. Where is the curve horizontal?
- 3. Compute the area inside the loop formed by the segment between t = 0 and t = 1.