Calculus III Quiz 2

Don't forget to write down clearly your **Name**:   and **Net Id:**

1. Curve length (5 points)   Find the length of the curve $\mathbf{r}(t) = (t^2, \frac{2}{3}t^3, \frac{1}{4}t^4)$ for $0 \le t \le 1$.

2. Level curves (5 points)   What are the level curves of the function $f(x, y) = \dfrac{1}{\sqrt{x^2 + y^2}}$?