MATH 251: Practice 6 June 3, 2015

Name: _____

Consider the curve $\vec{r}(t)=\langle t,t^2,\frac{2}{3}t^3\rangle,$ a modified "twisted cubic."

- Find the length of the curve between t = 0 and t = 2.
- Compute the curvature of \vec{r} at t = 1.