Math 1AA3/1ZB3: Week 10 Tutorial Problems

March 15, 2019

- 1. Determine the area under the parametric curve given by $x=6(t-\sin t), y=6(1-\cos t)$ for $0\leq t\leq 2\pi.$
- 2. Find the length of the curve given by the parametric equations $x=1+3t^2, y=4+2t^3$ for $0 \le t \le 1$.
- 3. Sketch the polar curve $r = 2\sin\theta$.