- 1. Find a Cartisian equation of the parametric curve $(e^t 1, e^{2t})$
- 2. Give a parametric equation of the curve $x^3 = y^2$.
- 3. Find the area enclosed by the curve $(t^2 2t, \sqrt{t})$ and the y-axis.
- 4. Find the length of the loop of the curve $(3t t^3, 3t^2)$.
- 5. Find the points of intersection of the two parametric curves (2t, 1-4t) and $(1-t, 1+t^2)$.