Two nial 7

- 1) Evaluate lim tanx-ginn (3) x >0 sin3x
- 2) Expand cosh x in the powers of x. 5
- 3) Evaluate $\lim_{x\to 0} \left(\frac{a^{x}+b^{y}+c^{x}}{3}\right)^{1/x}$
- 4) Find the mass of the lamina bounded (3) by the curves $y^2 = ax$ and $x^2 = ay$ if the density of the lamina at any point varies as the square of distance from the origin.