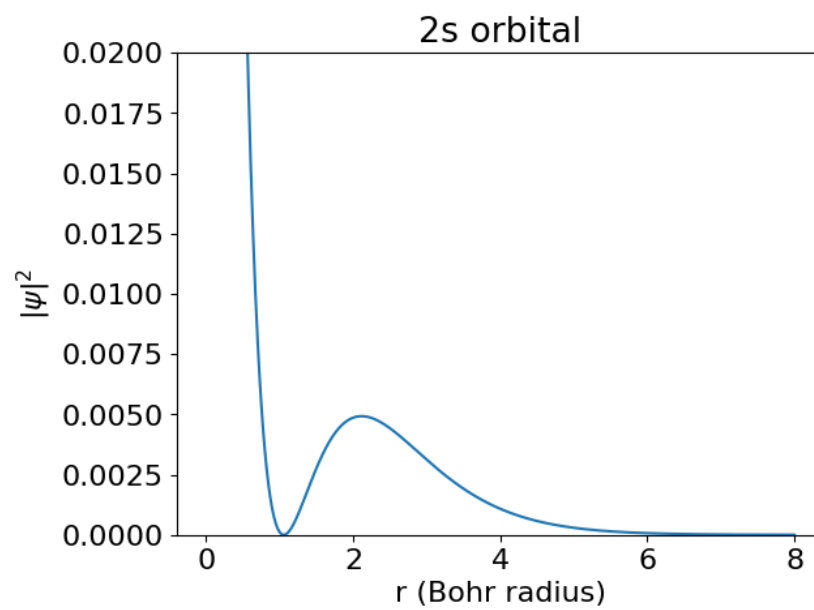
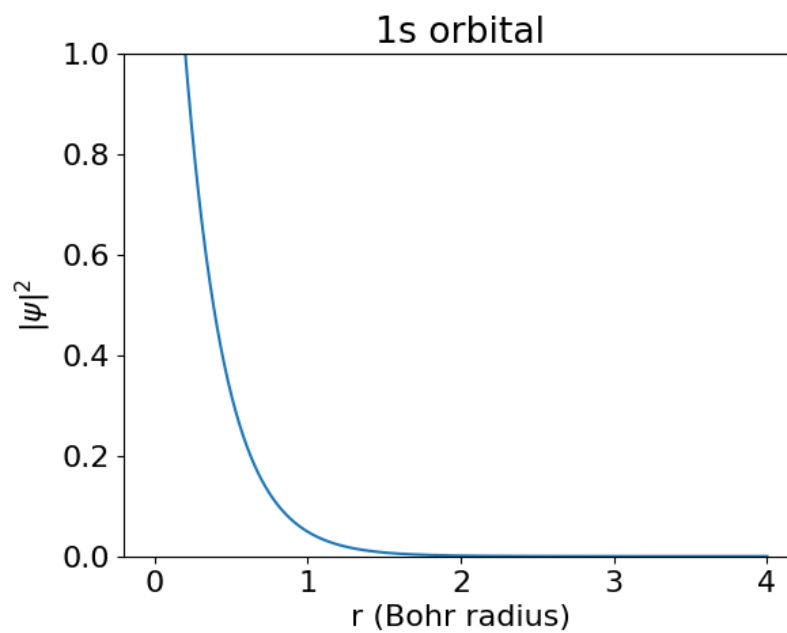
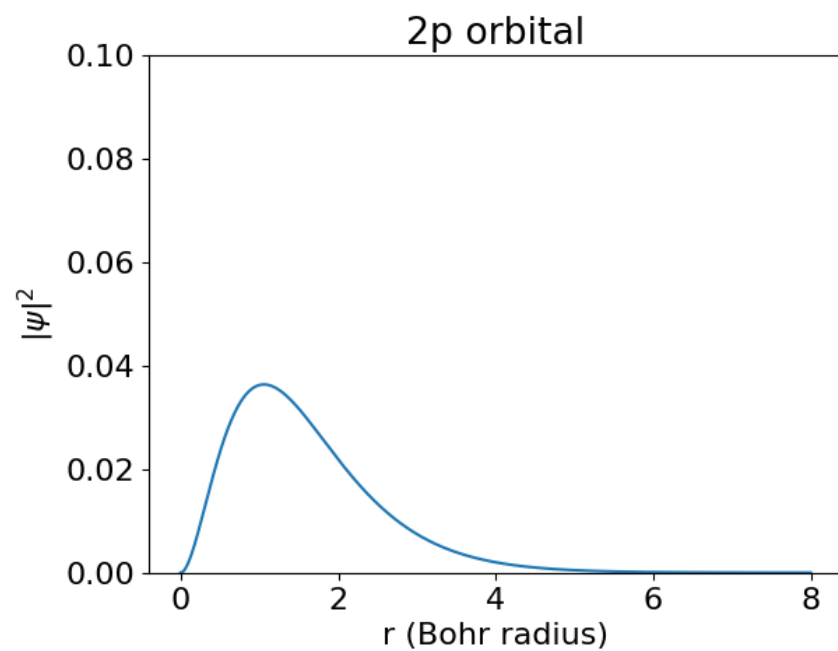


## Q.2

### Solution

Plots for radial probability density  $|\psi|^2 = \psi^* \psi$





Plots for radial probability  $4\pi r^2 |\psi|^2$

