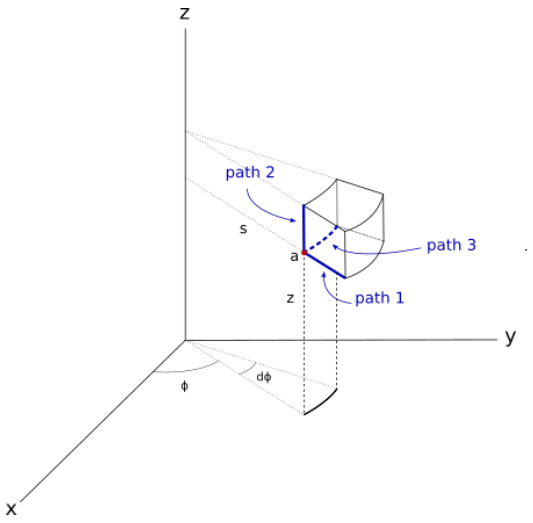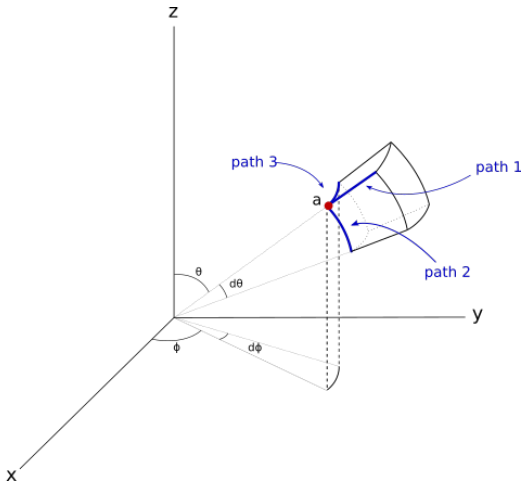1. Find the formulas for the differential area elements for:
   a) a plane (choose a easy one)
   b) a finite cylindrical shell (to the top/bottom and side separately),
   c) a spherical shell.
2. Find the formulas for the differential volume elements for:
   a) a thick slab
   b) a cylinder
   c) a sphere