Assg #10:

By integrating surface element of a sphere, find area of a strip on the surface of a sphere from θ= 45 degrees to θ= 135 degrees. (surface radius is R)

By integrating all three surface elements of a cylinder, find the surface area of a cylindrical pie:

$R/2 \leq \rho \leq R$

$\pi/2 \leq \varphi \leq 3\pi/4$

$1 \leq z \leq 3$