## Name:

1. Evaluate the integral  $\iiint_W z \, dV$ , where W is the region bounded by the cylinder  $x^2 + y^2 = 4$  and the planes z = 0 and z = 1.

2. Describe the surfaces given in cylindrical coordinates by (i) r=3 and (ii)  $\theta=\pi/4$ .