Math 201-111 Quiz 8 (A)

Name:.....ID#:.....Sec:.....Ser:.....

Q.1: Evaluate the triple integral $\int\int\int_E \sqrt{x^2+y^2}dV$, where E is the region that lies inside the cylinder $x^2+y^2=16$ and between the planes $z=-5$ and $z=4$.

Q.2: Evaluate the triple integral $\int\int\int_E x^2 dV$,

where E is the solid that lies within the cylinder $x^2 + y^2 = 1$, above the plane $z = 0$ and below the cone $z^2 = 4x^2 + 4y^2$.