Evaluate the integral:\[ \iiint_Q \sqrt{x^2 + y^2 + z^2} \, dV \] where \( Q \) is the hemisphere \( z = -\sqrt{9 - x^2 - y^2} \) and \( xy \) plane.

Evaluate the integral:\[ \iiint_Q \ x^2 + y^2 \, dV \] where \( Q \) is bounded by \( z = 4 - x^2 - y^2 \) and \( xy \) plane.

Evaluate the integral:\[ \iiint_Q \ \sqrt{x^2 + y^2 + z^2} \, dV \] where \( Q \) is the hemisphere \( z = \sqrt{2 - x^2 - y^2} \) and \( \sqrt{x^2 + y^2} \) plane.

Find the volume below \( x^2 + y^2 + z^2 = 4 \) and above \( z = \sqrt{x^2 + y^2} \)