Midterm Problem 4 Correction:

Let $E$ be the region in the first octant ($x, y, z > 0$) that is within the region $y^2 \leq x \leq 4$ in the $xy$ plane and below the plane $z = y$.

3-D image:

\[
\int_0^2 \int_x^4 \int_0^z f(x, y, z) \, dx \, dy \, dz
\]

\[
\int_0^2 \int_0^z f(x, y, z) \, dy \, dx \, dz
\]