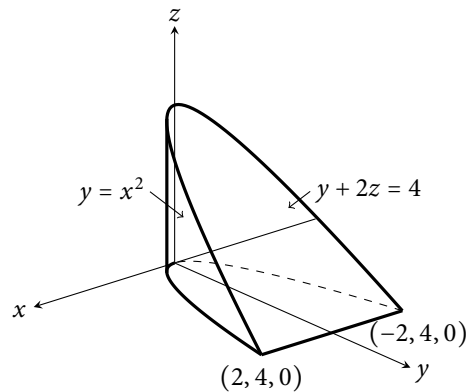


Lesson 50. Triple Integrals, cont.

1 Problems

Problem 1. The figure below shows the region of integration for the integral

$$\int_{-2}^2 \int_{x^2}^4 \int_0^{2-y/2} f(x, y, z) dz dy dx$$



- Draw the projection of the region of integration onto the xy -plane, the yz -plane, and the xz -plane.
- Rewrite the integral above as an equivalent iterated integral in the five other orders.