1. Write \( \int_0^1 \int_0^y f(x,y) \, dx \, dy \) as an equivalent iterated integral with the order of integration reversed.

2. Find the volume of the solid bounded by the surface \( z = 6 + (x - 5)^2 + 4y \), the planes \( x = 3 \), \( y = 1 \) and the coordinate planes.