The problems below replace 2c. and 2d. on the review sheet. It is due Thursday, November 12.

2c. Evaluate the triple integral
\[ \iiint_{E} x^2 \, dV, \]
where \( E \) is the tetrahedron in the first octant bounded by the coordinate planes and the plane \( x + y + z = 1 \).

2d. Find the volume of the solid bounded by
\[ x = z^2, \quad x = 8 - z^2, \quad y = -1 \quad \text{and} \quad y = -3 \]
by triple integration.