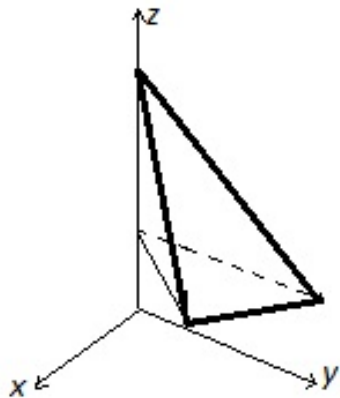


## Math 32 – Workshop #25

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1. Set up up the integral  $\iiint_E dV$  over the region  $E$  in six different ways. The region is bounded by  $y = x$ ,  $x + y = 4$ ,  $z = 2$ ,  $x = 0$  and  $x + y + z = 6$ .



2. Sketch the region bounded by  $x = z^2$ ,  $x = 8 - z^2$ ,  $y = -2$ ,  $y = 4$ . Find the volume of this region.