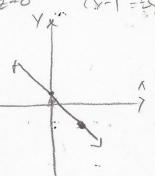
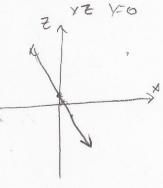
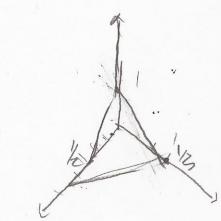
Exercise 1. Determine the volume of the tetrahedron in the first octant bounded by z = 1 - 2x - 3y. (So, other bounds are z = 0, y = 0, and x = 0.









$$\left(\frac{1}{3} - \frac{7}{3}x \right) - \left(\frac{2x}{3} - \frac{4x^2}{3} \right) - \frac{3}{2} \left(\frac{1}{3} - \frac{2}{3}x \right)$$

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