Math 231 — Hw 9
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1. Find a list of four distinct vectors whose span equals the space $\{(x, y, z) \mid x+y+z = 0\}$ within a vector space $\mathbb{F}^3$. ($\mathbb{F}$ could be any field)

2. If v_1, v_2, v_3, v_4 span V, is it true that $v_1 - v_2, v_2 - v_3, v_3 - v_4, v_4$ will as well? Prove your response.