Test 1: Selections from 1.1-1.5, 1.7 and applications

- Sample partial test (and solutions)
  - Fill in the blank
  - Computations and Interpretations / Analyses
  - True/False Questions
- hw, problem sets, & clicker questions [solutions online]
- computations, definitions, critical reasoning & “big picture”

- 1.1, 1.2 & 1.5: Gaussian elimination, algebra and geometry of solutions of systems of equations...
- 1.4: connects everything together
- 1.3 and 1.7: algebra and geometry of vectors (linear combinations/mixing, span, li...)

$$\begin{bmatrix} 1 & 2 & 1 & 1 \\ 0 & 0 & 1 & 1 \\ 0 & 0 & 0 & 0 \end{bmatrix}$$

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1.3 and 1.7: coefficient matrix vectors do not span $\mathbb{R}^3$, not l.i., equals column is a linear combination (in the plane they span)