Source:

- 1 | new schedule today :/
- 2 | Systems of equations, matrix equations, and vectors
- 3 | in class work! See ./KBe20math530srcNull_space_and_column_space_intro.pdf
- 3.1 | parts of the question
- 3.1.1 | How many solutions x satisfy Ax = 0?
- 3.1.2 When the answer is "infinitely many" what tools might we have to describe the size of that set?
- 3.1.3 | How many possible outcomes b are there for the equation Ax = b for any x.

$$3.2 \mid A = \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix}$$

3.2.1 | How many solutions x satisfy Ax = 0?

The only solution is x=0, because Ax=x.

3.2.2 When the answer is "infinitely many" what tools might we have to describe the size of that set?

N/A

3.2.3 | How many possible outcomes b are there for the equation Ax = b for any x.

There can be infintely many vaules of b..?

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