

Linear-Algebra

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Contents

1	Initial Info	2
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Lecture 1: 1. The Geometry of Linear Equations

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1 Initial Info

These notes are for MIT 18.06 Linear Algebra, Spring 2005 taught by Gilbert Strang.

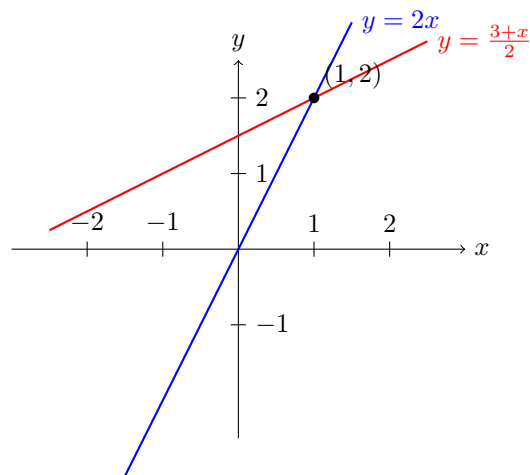
Linear algebra is about solving systems of linear equations.

$$\begin{aligned}2x - y &= 0 \\ -x + 2y &= 3\end{aligned}$$

These equations written in a matrix form:

$$\begin{bmatrix} 2 & -1 \\ -1 & 2 \end{bmatrix} \begin{bmatrix} x \\ y \end{bmatrix} = \begin{bmatrix} 0 \\ 3 \end{bmatrix}$$

$$AX = b.$$



Notiz:

Giving up for now, this lin-alg tikz, matrix bs is not making sense in latex