

what is linear algebra?

Linear

Algebra

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- **Linear**
 - having to do with lines, planes, space, etc.
 - example: $x + y + 3z = 7$ (and not \sin, \log, x^2, \dots)
- **Algebra**
 - solving equations involving numbers and symbols
 - *"reunion of broken parts"*

Linear algebra is the math of vectors and matrices, so we'll start by definitions and the mathematical operations we can perform on vectors and matrices.

scalars

scalars