




| | | | | | |
|------------|---|---|---|---|--------|
| < Previous |  ✓ |  ✓ |  ✓ |  ✓ | Next > |
|------------|---|---|---|---|--------|

1.3.4 Vector Subtraction

 Bookmark this page

Week 1 due Oct 5, 2023 03:12 IST Completed

1.3.4 Vector Subtraction

Start of transcript. Skip to the end.

Dr. Robert van de Geijn: Addition is important.

Scaling is important.

And the next question, of course, becomes how do you subtract two vectors?

We're going to see that that's just a matter of combining

0:00 / 0:00

▶ 2.0x

🔊

🔍

CC

🗣

Video

📄 [Download video file](#)

Transcripts

📄 [Download SubRip \(.srt\) file](#)

📄 [Download Text \(.txt\) file](#)

Reading Assignment

0 points possible (ungraded)
Read Unit 1.3.4 of the notes. [\[LINK\]](#)

☒ Done

✓

Submit

Discussion

Topic: Week 1 / 1.3.4

Hide Discussion

Add a Post

Show all posts ▼

by recent activity ▼

💬 Assignment not show as in completed in overall course even after all assignments submitted

Is anyone else having this problem? In this a several other sections, even after the assignments are done, submitted and the page itself shows a...

3

Homework 1.3.4.1

1/1 point (graded)
For $x \in \mathbb{R}^n$, $x - x = 0$

🧮 Calculator

where $\mathbf{0}$ is the zero vector of appropriate size.

Always

✔ Answer: Always

Explanation

[Transcripted in final section of this week](#)
[PDF of Answer in Video](#)

Submit

ⓘ Answers are displayed within the problem

Homework 1.3.4.2

1/1 point (graded)
For $\mathbf{x}, \mathbf{y} \in \mathbb{R}^n$, $\mathbf{x} - \mathbf{y} = \mathbf{y} - \mathbf{x}$.

Sometimes

✔ Answer: Sometimes

The important thing is to notice that the length is the same, but the direction is opposite, since $\mathbf{x} - \mathbf{y} = (-1) \times (\mathbf{y} - \mathbf{x})$. It is equal ONLY if $\mathbf{x} = \mathbf{y}$!

Submit

ⓘ Answers are displaved within the problem

< Previous

Next >



edX

- About
- Affiliates
- edX for Business
- Open edX
- Careers

Calculator

[News](#)

Legal

- [Terms of Service & Honor Code](#)
- [Privacy Policy](#)
- [Accessibility Policy](#)
- [Trademark Policy](#)
- [Sitemap](#)
- [Cookie Policy](#)
- [Your Privacy Choices](#)

Connect

- [Idea Hub](#)
- [Contact Us](#)
- [Help Center](#)
- [Security](#)
- [Media Kit](#)



© 2023 edX LLC. All rights reserved.
深圳市恒宇博科技有限公司 [粤ICP备17044299号-2](#)