UTAustinX UT.5.05x
Linear Algebra - Foundations to Frontiers

Help

sandipan_dey

Course Progress Dates Discussion Syllabus Outline laff routines Community

Course / Exam 2 / E2.2 Sample Exam 2

Previous   Next

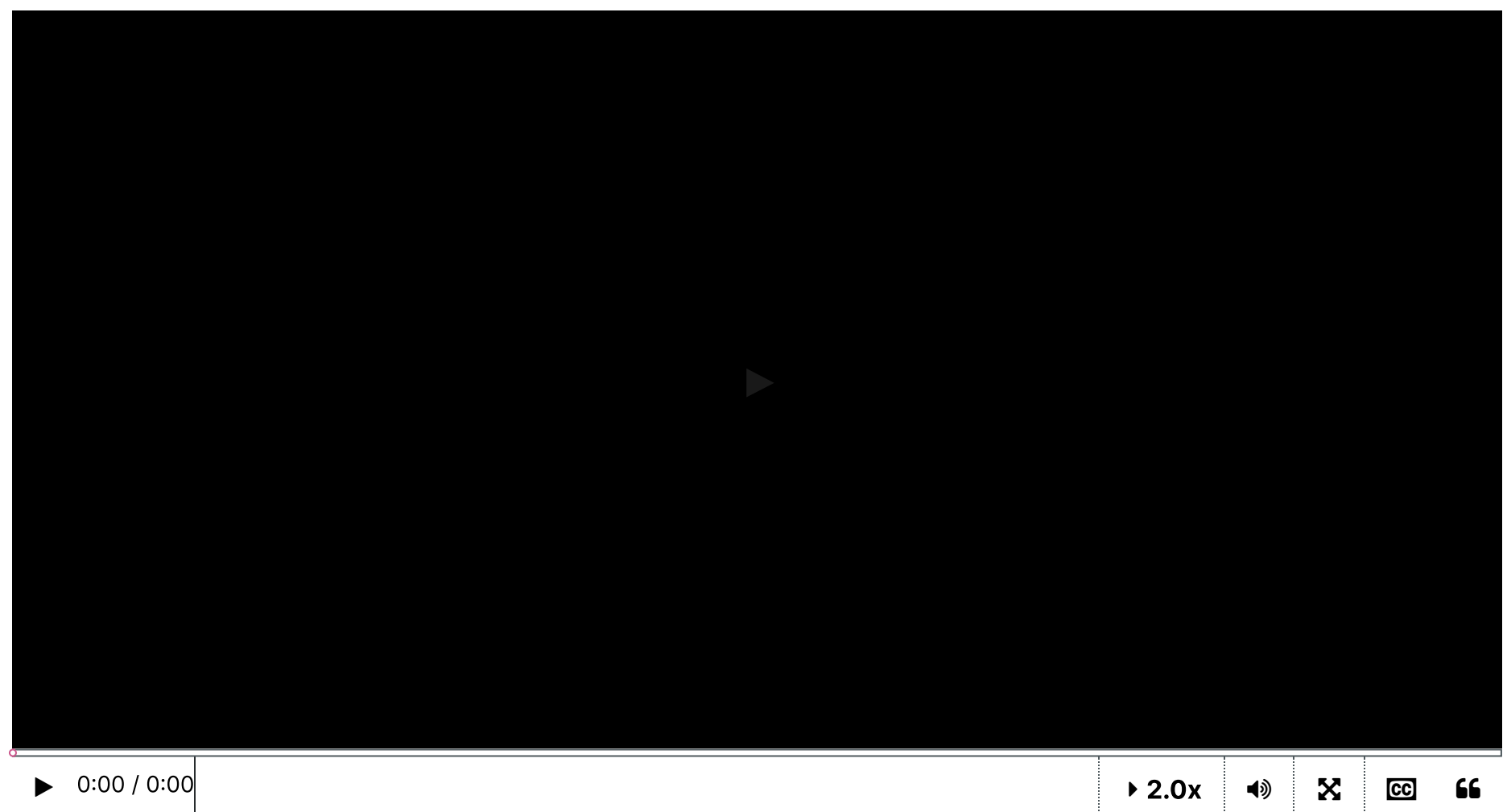## E2.2.5 Sample Exam Answers and Videos Questions 7-8

Bookmark this page

Calculator

E2.2.5 Sample Exam Answers and Videos Questions 7-8

---

7. (a) Invert $A = \begin{pmatrix} 2 & 2 & -6 \\ -4 & -5 & 14 \\ 4 & 3 & -9 \end{pmatrix}$.

   (b) Does $A = \begin{pmatrix} -1 & 2 \\ 2 & -4 \end{pmatrix}$ have an inverse? Justify your answer.

ANSWER:

PDF of Answer

Question 7 : Video

▶ 0:00 / 0:00   ▸ **2.0x**   ◀�   ✕   CC   ❝

Video
⬇ Download video file

Transcripts
⬇ Download SubRip (.srt) file
⬇ Download Text (.txt) file

---

8. Let A and B both be $n \times n$ matrices and both be invertible.
   $C = AB$ is invertible

   Always/Sometimes/Never

   Justify (prove) your answer.

ANSWER:

Calculator

PDF of Answer

Question 8: Video

▶ 0:00 / 0:00   ▸ 2.0x   🔊   ⛶   CC   ❝

Video
⬇ Download video file

Transcripts
⬇ Download SubRip (.srt) file
⬇ Download Text (.txt) file

Discussion

Hide Discussion

Topic: Exam 2 / 2.2 Sample Exam Questions 7 and 8

Add a Post

Show all posts ⌄   by recent activity ⌄

‹ Previous	Next ›

---

edX

edX

About

Affiliates

edX for Business

Open edX

Careers

News

Calculator

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](#)

Calculator