

Math Tips for Lectures

PREVIEW

Before class, preview the text material for that day...

- 📖 Read introductions and summaries
- 📖 Look at the problems at the end of the chapter
- 📖 Make note of new terms, theorems, and formulas
- 📖 Think up some questions for class

Remember that previewing is not for understanding the material, but to get a general idea of what the lecture that day might cover. Don't spend a lot of time on previewing.

TAKE NOTES

- 📖 **Listen actively.** Intend to learn from the lecture.
- 📖 **Write down** explanatory remarks about the problems.
 - 📖 How do you get from one step to another?
 - 📖 Are there any conditions?
 - 📖 Why this approach?
 - 📖 Drawings, graphs, or charts
- 📖 **Anticipate** consequences of the theorem or next step in a problem.
- 📖 **Note** any concepts, rules, techniques, and problems that the instructor emphasizes.
- 📖 **Ask questions** about unclear concepts.

REVIEW

- 📖 **Summarize**, review, and edit your notes as soon as you can after class (within two hours).
- 📖 **Read through** your notes again for errors and omissions.
- 📖 **Fill in** any additional explanation or explanatory remarks you may have missed.
- 📖 **Add** to your notes: use the margin to summarize the material, list key terms, theorems, and formulas, and to rework examples.
- 📖 **Find relationships** between what you just learned and previous material.
- 📖 **Review your notes again** at regular intervals, with the intent to retain and learn.