

ASSIGNMENT

Read section 12.1 for the homework.

- 3,9,17,31,35,47,55,59

TAKE-AWAYS

There's a ton of terminology in this section: you should know it all. When I speak or write about this stuff in class, I might not be as formal as the book is and I don't expect you to be either. That said, though, you should at least know what the words are and why we bother defining them.

Specific things you should know:

- terminal and base points, heads and tails, the difference between $\langle a, b \rangle$ and (a, b) .
- how to add vectors using the Parallelogram Law
- how to find a vector's length and how to find a unit vector in the same direction as a given vector
- what the standard basis is and why it's useful
- the basic properties of vector algebra
- what it means for two vectors to be parallel
- the triangle inequality

OTHER STUFF

The homework doesn't require the triangle inequality but it's pretty important so start understanding it.