

Source: 2020MATH530/KBe2020math530floIndex.md

#flo #disorganized #incomplete

1 | Administrative bits

- Will present problems from 2.B and/or 2.C next week
- Mini quiz, stop yourself after an hour
- and give your subconscious a chance to think about things # #icr Axler2.C #source Axler Linear Algebra Done Right 2.C ## Polynomials are vectors
 - because you can add and scale them and they are kind of nice in general ## The box under 2.38
- You can't understand a vector space just by knowing the vectors inside
 - you also need to know the field that you are in
 - See 2.A ex5
- The field that you are over changes your dimension: usually we think of \mathbb{C} as a vector space over \mathbb{R} , but in this class we think of it as over \mathbb{C} , which means $\dim \mathbb{C} = 1$

1.1 | Axler2.41

- It's my question! See [KBe20math530floQuestions](#)
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