#ret #ref #hw

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1 | Self Assessment

1.0.1 | Skills and Practices

Previous -> New

1. Explore and Organize **Proficient -> Exemplary** More recently for some of the harder problems, my strategy has shifted to first finding branches of concepts and results relating to the problem. For example, the most recent problem I did involved trying to navigate branching relationships between concepts – the problem ended up being solved by representing our system of equations as an operator, thus allowing us to use the properties of an operator (surjectivity implying injectivity) to solve the problem. The process involved first trying to find branches that we could go down (generating data), navigating these branches (organizing data), and finally solving the problem with the right branch (identifying promising leads).
2. Generalize and Test **Proficient -> ~Exemplary** The way I try to understand linear algebra is by trying to connect the different concepts we learn and then find the patterns in the connections. While this strategy doesn't help me immensely when memorizing definitions, it makes a huge difference when solving problems or trying to understand new concepts. One of the more tangible ways this strategy manifests is in my note taking system, where I link together concepts to form a graph structure.
3. Abstract and Symbolize prof + exemp
4. Transform prof
5. Strategy prof + exemp
6. Proof prof
7. Application prof + exemp
8. Clarity and Articulation prof
9. Precision and Accuracy found + prof

1.0.2 | Habits of Learning

1. Growth Mindset prof + exemp
2. Community prof + exemp
3. Reflection prof
4. Academic Habits exemp