Class 8 Quiz: [Lesson 3, Part 2: Logical Play](https://www.youtube.com/playlist?list=PLSt7rwoPGTy3VWLn4WTgsfaq6MTA03TQo)

**PROBLEM 1:** Please fill out the tables below. Please be honest with yourself. The point of this exercise is to track your progress. Remember that in this class, you have many opportunities to recover from setbacks. If you’re falling behind, it might be helpful for us to set up a meeting. This class is fast paced : I’ve prepared a lot of material for you. I know how seriously you take your education and I want to support your success. Falling behind is not an indication of failure: it is an opportunity for growth. The first steps in that process are to take an accurate and honest look at your progress. If you are a bit behind, please reach out to me (in addition to noting this in you quiz). Let’s meet and figure out how I can support your learning.

ENGR 11, Unit 1, Lesson 3, Part 2

[Logical Play](https://youtube.com/playlist?list=PLSt7rwoPGTy3VWLn4WTgsfaq6MTA03TQo) (11 Videos: 1 hour, 33 min, 42 sec)

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| --- | --- | --- | --- | --- | --- |
| Video Title | Length | Complete (Yes or Not Yet) | Watch  Video | Read  Notes | How long did it take you? |
| 1. [What is the form of a logical operator?](https://www.youtube.com/watch?v=nj4ZcJ60xX4) | 10m, 58s |  |  |  |  |
| 2. [What are compatible sizes for logical operators?](https://www.youtube.com/watch?v=EFtpHnAdmWQ) | 18m, 43s |  |  |  |  |
| 3. [What is the logical XOR operator?](https://www.youtube.com/watch?v=ML4isA-iO8Y) | 9m, 21s |  |  |  |  |
| 4. [How to combine logical operations?](https://www.youtube.com/watch?v=vrwdTRWdtUw) | 8m, 22s |  |  |  |  |
| 5. [What are equivalent propositions?](https://www.youtube.com/watch?v=vHRjx-ztKa0) | 6m, 31s |  |  |  |  |
| 6. [What are relational operations?](https://www.youtube.com/watch?v=6IWZ7dz_hDI) | 11m, 43s |  |  |  |  |
| 7. [How to test for equality?](https://www.youtube.com/watch?v=Ei-xeeySTgI) | 9m, 57s |  |  |  |  |
| 8. [How to test inequality relationships?](https://www.youtube.com/watch?v=qsQFaufaeWA) | 4m, 59s |  |  |  |  |
| 9. [How to use the isa function?](https://www.youtube.com/watch?v=Q9LOQT5b9bw) | 12m, 59s |  |  |  |  |
| 10. [How to test the state of MATLAB entities?](https://www.youtube.com/watch?v=-ELjyadzd5A) | 4m, 22s |  |  |  |  |
| 11. [How does logical indexing work?](https://www.youtube.com/watch?v=u8zk0bgKVkA) | 6m, 55s |  |  |  |  |

**PROBLEM 2A:** Please read the following article:

<https://thelearningcode.school.blog/2021/01/24/what-is-deep-learning/>

**PROBLEM 2B:** Come up with a first draft of your own definition of learning. Capture your ideas and write your definition in a special place so that you return to and edit your ideas in the future. As you develop your work, engage in retrieval practice by trying to recreate some of what you read in this blog post from memory.

**PROBLEM 2C:** Write a first draft of your definition for deep learning.

**PROBLEM 2D:** When have you done deep learning in your life? What activities make you excited to do deep learning?

**PROBLEM 2E:** How do you know when you are engaged in deep learning? What does that feel like?

**PROBLEM 2F:** Draft your own definition for shallow learning. Write this in your own language.

**PROBLEM 2G:** When do you engage in shallow learning? What activities make you want to learn in a shallow way?

**PROBLEM 2H:** How do you know when you are doing shallow learning? What does that feel like?

**PROBLEM 2I:** What policies and structures do I (Jeff) currently use help you get excited about learning deeply in this class? What type of classroom policies do you want me to adapt to support your work to engage in deep learning?

**PROBLEM 2J:** What policies and structures do I (Jeff) currently use help that make you learn in a shallow way? For each of the items you identify, please make a suggestion on how I might improve this policy/structure to help you push your learning deeper.

**PROBLEM 3:** What suggestions do you have for me to improve this class? This is an open invitation to help me make this class more useful for you. I am working really hard to support your learning and to create a learning environment that empowers you to choose your own adventure. I recognize that this is a hard task and I’d love your help to improve my systems. Please feel free to give me guidance on what we can do to make this space a more supportive and nurturing environment to support your learning.

**PROBLEM 4:** What questions do you have for me at this point? These might be technical questions, class-structure questions, or other questions?

**PROBLEM 5:** What else would you like to share that you haven’t shared in your responses to the questions above.