

For part (a) of your reading assignment, please include answers to the following questions from Kline Chapters 10 (from to the end of the first full paragraph on page 230) and 11. Please read the questions before you read the text. You do not need full complete detail (or even complete sentences unless that's easier) for your answers to these.

Don't forget to include parts (b) and (c) (as described in the syllabus) on what you turn in.

1. What is intuitionism? (You may protest that this should be the last question for Chapter 10; I'm putting it first so that you know you should be able to answer it at the end of Chapter 10 ☺)
2. Who were the key players in intuitionism? Briefly describe their contributions.
3. What was Brouwer's issue with the law of the excluded middle?
4. What were some positive things we gained from intuitionism?
5. What were Hilbert's objections to logicism and intuitionism?
6. What is formalism? (Again, a mid-chapter question placed at the beginning)
7. Who were the key players in formalism and what did they espouse?
8. Who objected to formalism and how?
9. What was the set-theoretic approach?
10. Who were the key players in the set-theoretic approach and what did they advocate?
11. Write down a quotation that stuck out to you.
12. What was the most interesting thing to you in this reading?