How to Do the Paper/Talk Reviews

1: **Summary**
   - What is the problem the paper is trying to solve?
   - What are the key ideas of the paper? Key insights?
   - What are the key mechanisms? What is the implementation?
   - What are the key results? Key conclusions?

2: **Strengths** (most important ones)
   - Does the paper solve the problem well? Is it well written? ...

3: **Weaknesses** (most important ones)
   - This is where you should think critically. Every paper/idea has a weakness. This does not mean the paper is necessarily bad. It means there is room for improvement and future research can accomplish this.

4: Can you do (much) better? Present your thoughts/ideas.

5: **Takeaways**: What you learned/enjoyed/disliked? Why?

6: Any **other comments** you would like to make.

Review should be short and concise (~one page)
Advice on Paper/Talk Reviews

- When doing the reviews, be very critical

- Always think about better ways of solving the problem or related problems
  - Question the problem as well

- This is how things progress in science and engineering (or anywhere), and how you can make big leaps
  - By critical analysis

- Sample reviews provided online