Written Report Feedback Form

5/19: **Report writer**: Daniel Luna
Person giving feedback: Steven Labalme

Instructions: Everyone must get feedback on their report from one person and must give feedback to at least one other person. In addition to completing this form, you are expected to read through the report and make constructive comments. The writer should upload this completed form as well as a copy of the draft with any feedback recorded on it.

In one sentence, what was this project about? What was the main result?

Response. Daniel motivated, stated, proved, and discussed the consequences of Picard's big theorem. □

What did you find most interesting about this subject?

Response. I thought it was a neat tie-together of several important and mentally challenging class concepts. Daniel also supplemented these with more details about the proofs than were presented, and gave examples of extensions. □

Were there any places in the report that you were confused?

Response. Not really — it was well-explained! Make sure you define that alternate notation for the winding number, though, in your discussion of Cauchy's residue theorem. We've seen $\mathrm{wn}(\Gamma, z)$ in class, so Fischer and Lieb (2012)'s $n(\Gamma, z)$ should be explained.

One other more general comment would be to include a few more examples of things you allude to. For instance, you say several times that Picard's big theorem and essential singularities have applications outside of pure math research but never mention any of these. An example or two would be cool! □

Were there any pictures, examples, or analogies that you found especially enlightening?

Response. The whole paper was beautifully and lyrically written from start to finish. Fixed point theorems have something of a special place in my heart, so it was cool to see that tie-in! □

Write a bullet-point outline of the report.

Response.

- Significance of Picard's big theorem draws in the reader.
- Historical background situates Picard's big theorem in its context.
- Mathematical prerequisites from class.
- Proof of the main result.
- Mathematical consequences of the main result.

□