Here is our list of major theorems from the semester (in alphabetical order).

- Argument principle

- Casorati-Weierstrass theorem

- Cauchy's formula for the radius of convergence of a power series

- Cauchy's inequalities for derivatives

- Cauchy's integral formula

- Cauchy's integral theorem

- Coincidence principle

- Darboux's theorem

- Hurwitz's theorem

- Liouville's theorem

- Morera's theorem

- Open mapping theorem

- Residue theorem

- Riemann's removable singularity theorem

- Rouché's theorem

Part A

State seven of these theorems.

Part B

Prove four of these theorems, including at least one that is named after a French mathematician and at least one that is named after a non-French mathematician.