Math 165B Homework Assignment (05/23 – 05/30)
Assignment will be collected on 06/06 the first Wednesday of June during the class.

Key notions introduced this week:
(1) Mappings of upper half plane, linear fractional transformations from unit disk to itself;
(2) Image under sines;
(3) Branches of $z^{1/2}$, multivalued functions;
(4) Square root of polynomials;
(5) Conformal map;
(6) Change of angle, scale of change;
(7) Local inverse.

Homework problems:
§97. 7.
§98. 5.
§103. 1, 7, 8.