

Math 201

HOMWORK # 9, DUE MARCH 7

This homework will be worth 100 points.
In this homework all the exercises are from the book “Complex Analysis” by Stephen Fisher, Second Edition.

Problem 1 (5 points each)

- (1) Find the 3-rd roots of 27, i.e. find all complex numbers $z \in \mathbb{C}$ such that $z^3 = 27$.
- (2) Problem 10, 12, 14 on page 41.

Problem 2 (5 points each)

Problem 2, 4, 7, 8 on page 53.

Problem 3 (5 points each)

Problem 4 on page 73

Problem 4 (5 points each)

Problem 1, 4, 8, 10 on page 103

Problem 5 (5 points)

Problems 1, 2, 5, 6 on page 116

Problem 6 (5 points each)

Problem 1, 4, 8 on page 133.

Bonus (10 points each)

Problem 25 and Problem 26 on page 136