PMATH352W18 - Complex Analysis - Topical Exercises

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Contents

Chapter 1

Complex Numbers

1.1 Basic Algebraic Properties

1. Verify that

   (a) $(\sqrt{2} - i) - i(1 - \sqrt{2}i) = -2i$

   (b) $(2 - 3i)(-2 + i) = -1 + 8i$

   (c) $(3 + i)(3 - i)(\frac{1}{5} - \frac{1}{10}i) = 2 + i$