

# M361 Assignment 1

Due in class Thursday, September 4.

1. Write each of the following complex numbers in the standard form  $x + iy$

$$(2 + i)(1 - i), \quad \frac{5 - 2i}{3 + i}, \quad \frac{2i}{-1 + i}.$$

Exercises from the textbook:

p. 5: #2(a)(b)

p. 8: #1(a)(b)(c)

p. 12: #5(a)(b)(c), #6(b)

p. 14-16: #1(a)(b)(c)(d), #10(a)(b), #13, #15(a)(b)(c)

p. 22-23: #1(a),(b), #6, #8