

# MATH 54 Homework 1

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Due Wednesday, June 27.

- Hill 1.1: 1-6, 29-32
- Hill 1.2: 15, 18, 20, 22, 24
- Hill 1.3: 3, 9
- Find all solutions the following systems of linear equations:
  1.  $x + iy = 1$  and  $x - iy = 0$
  2.  $x + iy - z = 4i$ ,  $-2x - iy = 1$ , and  $y + (1 + i)z = i$