

IV. Examples (pp.48-49): Exercises ~~#26,54,70~~

HW: pp.48-49 / Exercises ~~#7,9,13,17,19,23,25,27-  
37(odd),45,47,53,57,59,61,63,67,71,89,93~~

I. Imaginary number (p.58):  $i = \sqrt{-1}$

II. Complex Numbers (p59):

$$\mathbb{C} = \{a + bi \mid a \in \mathbb{R}, b \in \mathbb{R} \text{ \& } i = \sqrt{-1}\}$$


*standard form*

III. Arithmetic:

1. Add & subtract, combine like terms
2. Multiply, use FOIL method
3. Divide, apply *conjugate* “ $a - bi$ ”

IV. Examples (p.63): Exercises #26,30,36,40,48,58

HW: Read section 1.6 (pp.58-62)

pp.63-64 / Exercises #1-9(odd), 15-~~79~~(every

other odd), 81