2.1 Complex Number Guided Notes.

Open your book to page 278

Write down the definition of what Imaginary is

Describe the two parts of complex number.

The book makes example 1 on page 279 harder that it needs to be, so I will show you a different way to do the two problems.

a) $(5 - 11i) + (7 + 4i)$ b) $(-5 + i) - (-11 - 6i)$

Combine the like terms which means add the real numbers and then add the imaginary numbers.

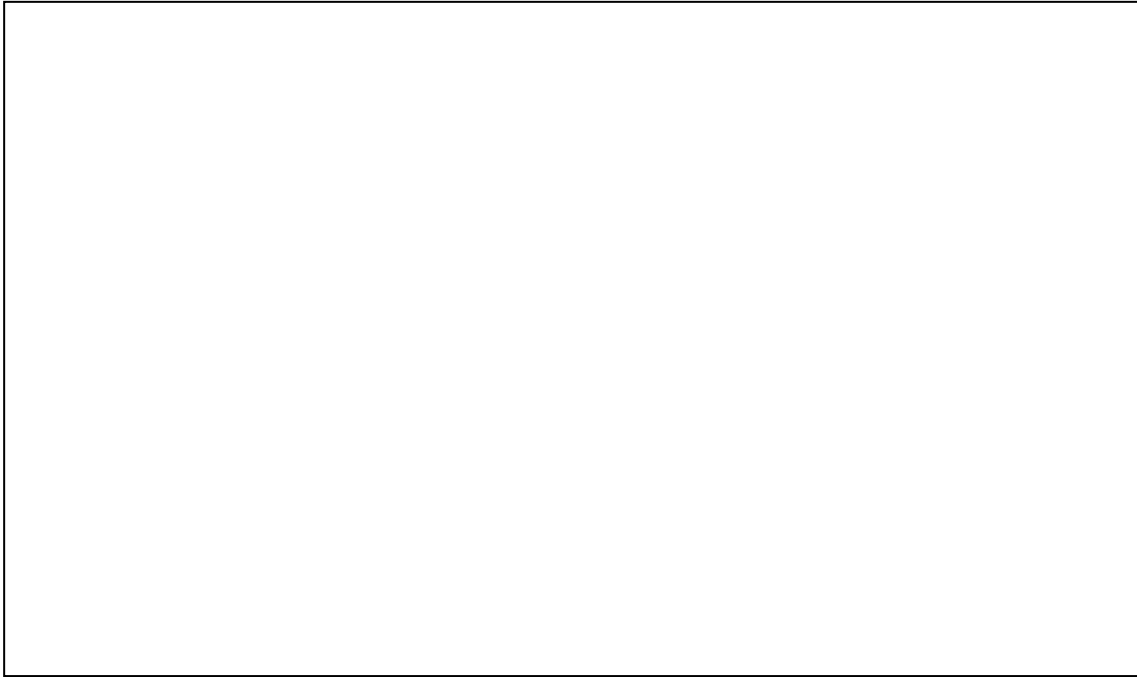a) $5 + 7$ $-11i + 4i$ b) $(-5 + i) + (11 + 6i)$
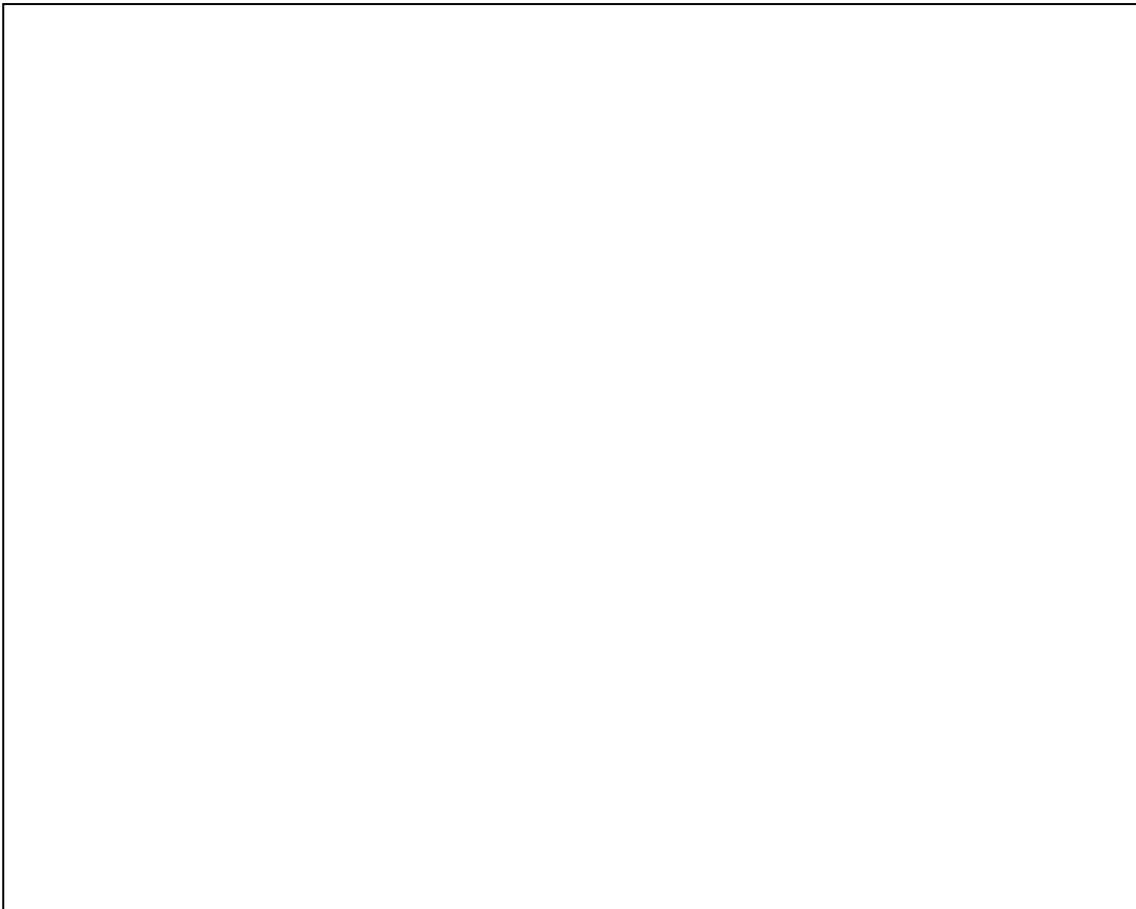 $-5 + 11$ $i + 6i$
Ans: $12 - 7i$ ans: $6 + 7i$
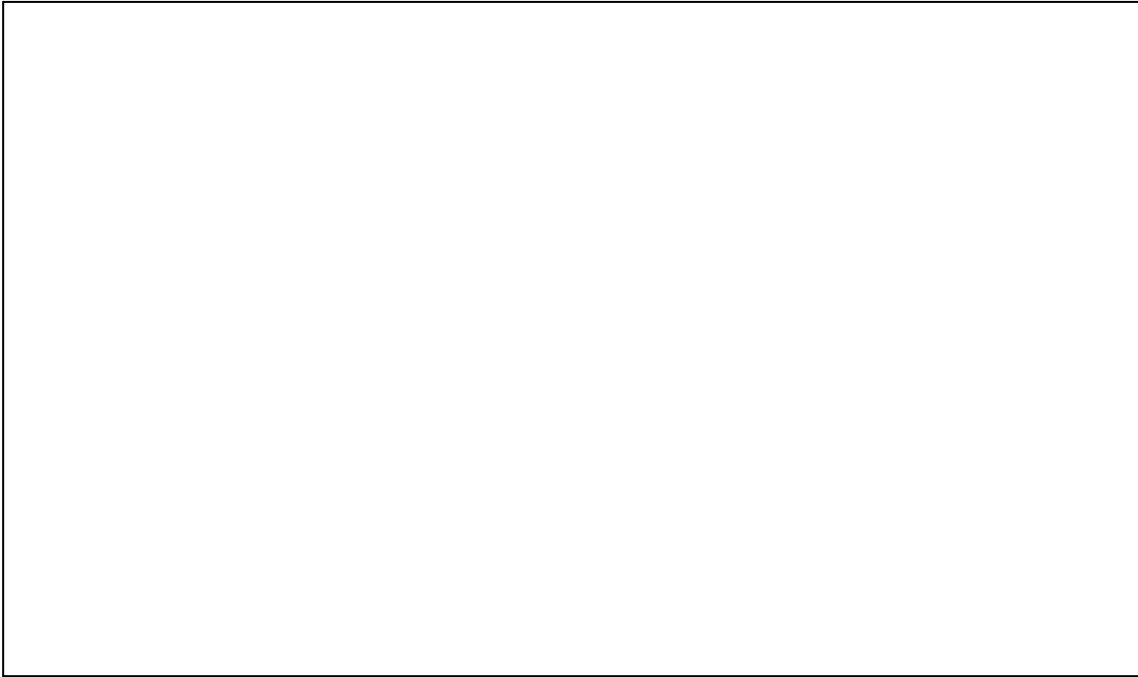
Do Check Point 1 on page 280

Rewrite Example 2 page 280 in the space provided
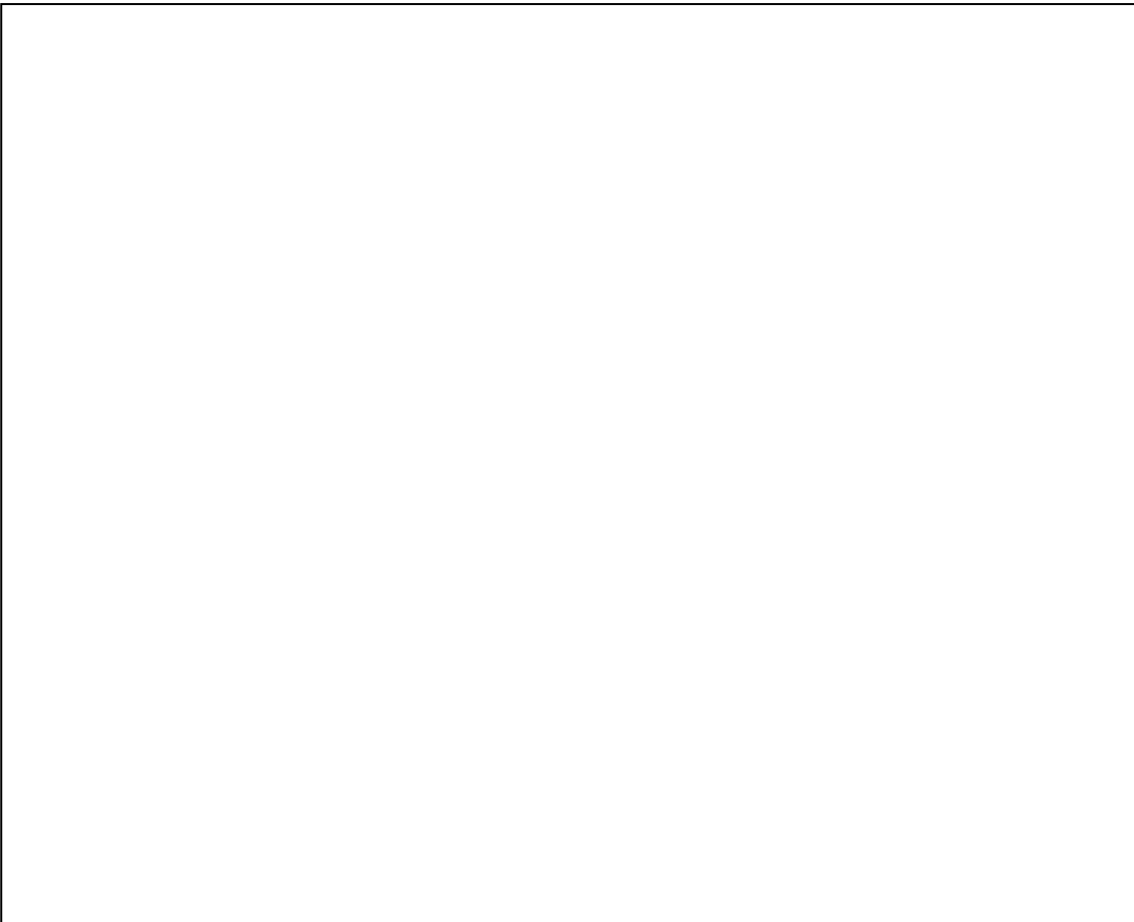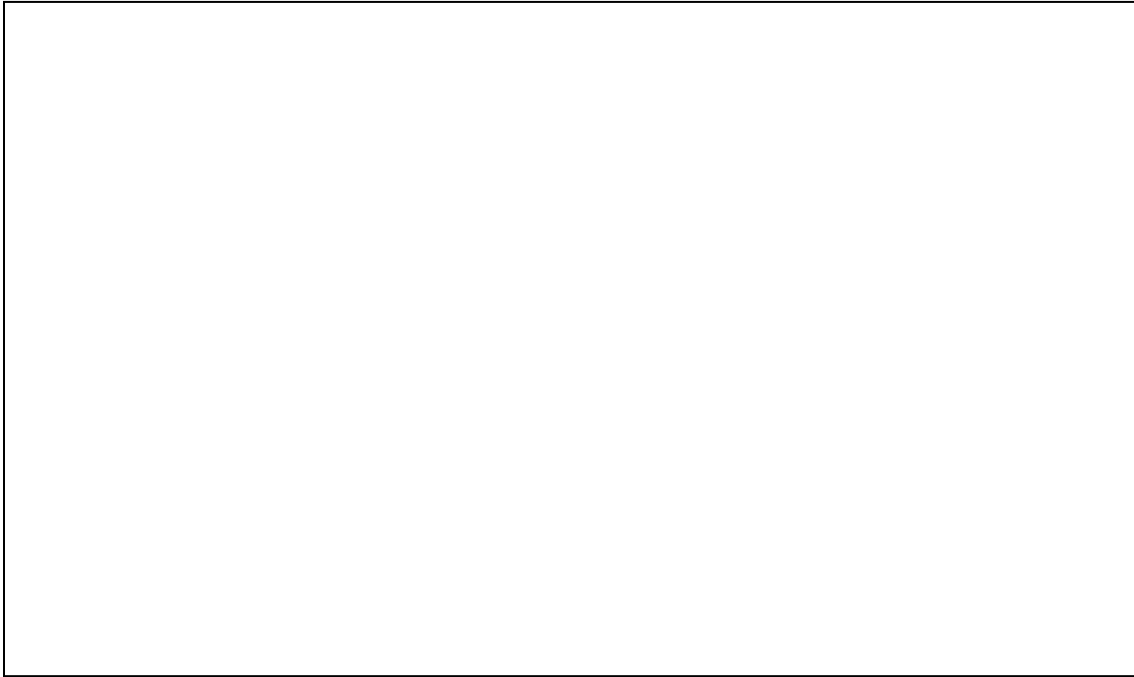
Do Check Point 2 on page 280

Rewrite Example 3 page 281. Tell me what the conjugate of a + bi _____
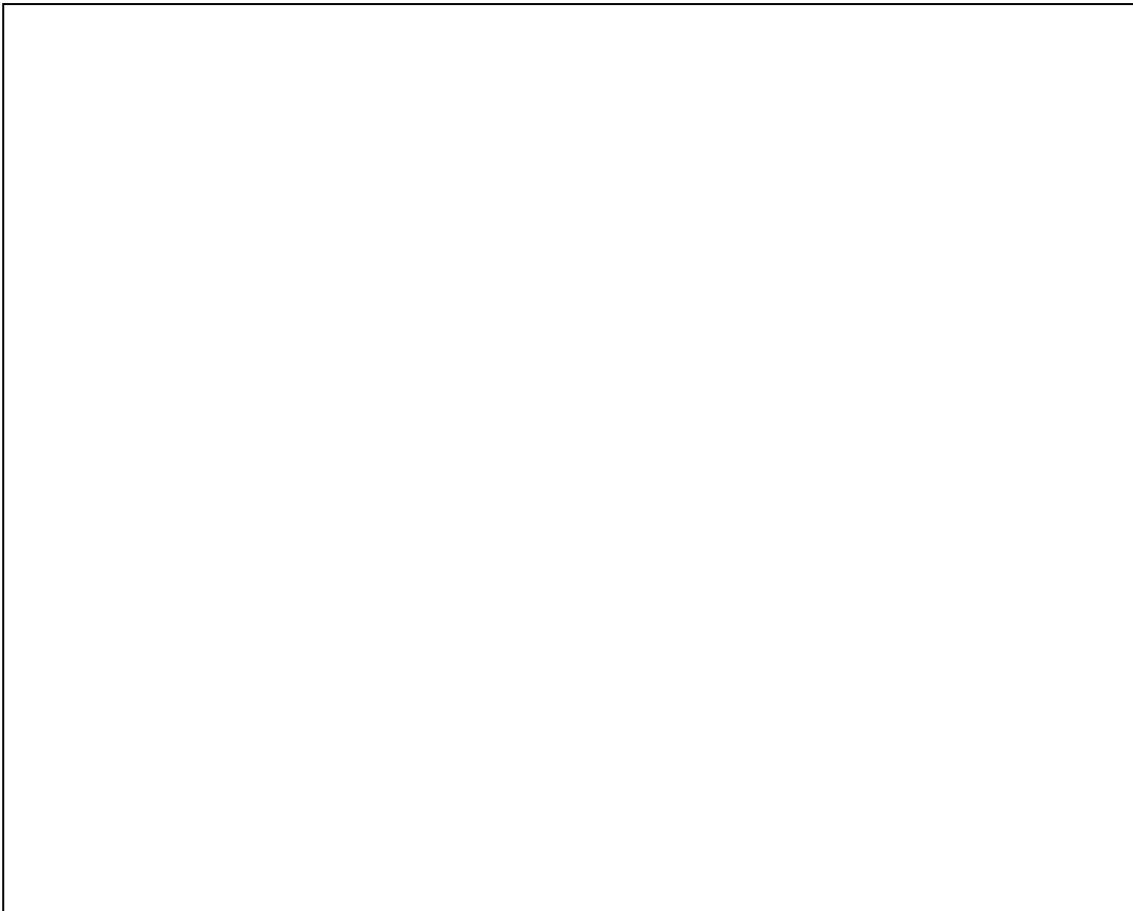
Do Check Point 3 on page 281

Rewrite Example 4 page 282.   Remember $\sqrt{18}$ can be broken into $9 \cdot 2$ or $3\sqrt{2}$

Do Check Point 4 on page 282

Write the Quadratic Equation in the box provided

Rewrite Example 5 page 283

Do Check Point 5 page 283

All answers to the check points are in the back of the book pg AA22, make sure you have them correct then, show your completed notes to the teacher to get the book assignment. This will be due next class period.