5-9 Complex Numbers

Objective: Add, subtract, multiply and divide complex numbers.

Day 1

Where did the imaginary number come from????

X = ± リー * リーニー・ (リー)=にいっ

So let us take a look at what happens to the i.

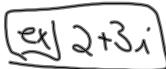
Summary of the things you need to know for today:

Standard Form: a + bi, $i^2 = -1$, $i = \sqrt{-1}$

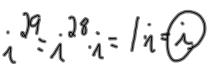
the to an even power and multiple of 4 gives

 $\frac{1}{18} = \frac{1}{12} \cdot \frac{1}{12}$

atbi Limaginary Ralpart



180= 1 114 = -1 127 = 1:11 127 = 1:11



II. Simplify.

EX 5.
$$-2i \cdot 7i = -14/2 = -14(-1) = -14$$

EX 6. $\sqrt{-12} \cdot \sqrt{-2}$

Wrong Waz V-12 · V-Z

Notegual

Collect