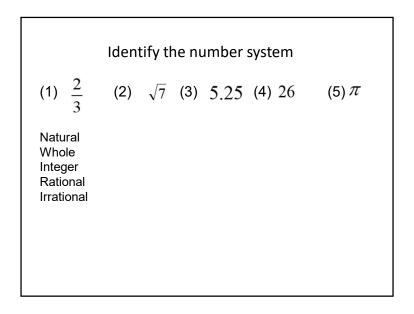
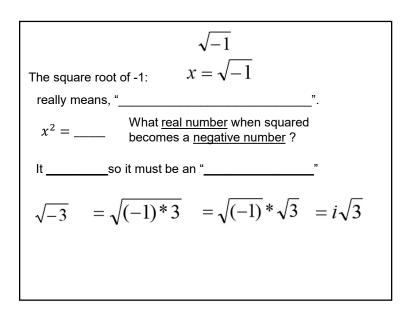
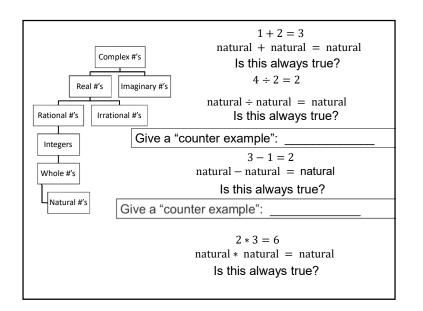
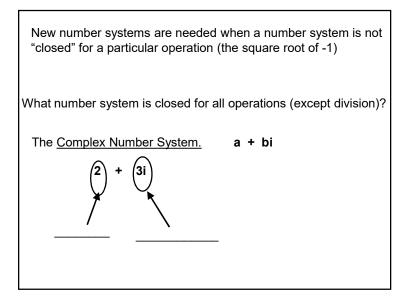


Irrational numbers: cannot be written as a	
The decimal version of an irrational number <u>never</u> ar <u>never</u> . (0 = 5.13257306).	nd
If we see the radical symbol, the number is usually (unless it is a "perfect square). $\sqrt{3}$	
$\sqrt{4} = 2$ (rational #)	



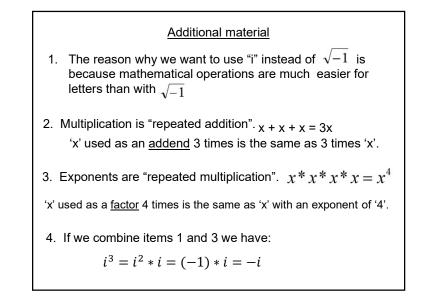






## Simplify:

(2-3i) - (-4 - 5i)7i - (2 - 3i) 3i \* 4i a - 3i = 4 + bi a = ?, b = ? 2(4 + 3i) (4 + 2i)(3 + 5i)



5. "touching" means multiplication. 2x \* 3x = 2 \* x \* 3 \* x
6. <u>Commutative Property (of multiplication or addition</u>): the order of the <u>addends</u> doesn't matter. 2 + 3 = 3 + 2

the order of the <u>factors</u> doesn't matter 2 \* 3 = 3 \* 2

 $\rightarrow$  You can rearrange the order if it makes it easier.

$$2x * 3x = 2 * x * 3 * x = 2 * 3 * x * x = 6x^{2}$$

7. We an only multiply (or add) a pair of numbers in one step. 2 \* 3 \* 4 = (2 \* 3) \* 4 = 6 \* 4 = 24