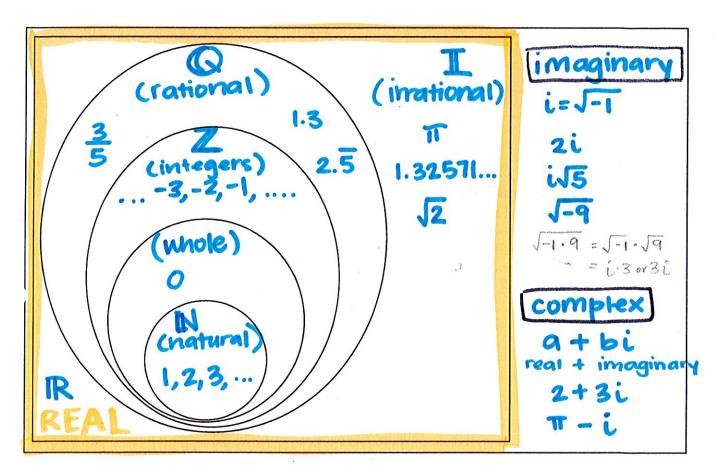
201001	Name:	Date:	Period:	
	i tuille.	Dute.	I CIICU.	

1.5A Real vs Imaginary Numbers Notes

You have been told in the past that you are not allowed to have a <u>negative</u> number under a square root.

This isn't always true. There is another set of numbers that are called the numbers. This system includes all even indexed radicals with a negative radicand.



This system uses the lowercase letter i to represent the negative under a radical.

$$i = \sqrt{-1}$$

These radicals are rewritten by making the number positive, simplifying the radical if possible, and putting the i in front of the radical. The i goes after the number if it is a perfect square

Ex.

1.
$$\sqrt{-4} =$$
5. $\sqrt{-36} =$
3. $\sqrt{-3} =$
4. $\sqrt{-24} =$
5. $\sqrt{-36} =$
5. $\sqrt{-36} =$
6. $\sqrt{-24} =$
7. $\sqrt{-36} =$
7.