

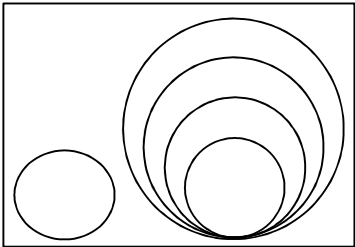
Name: _____

Date: _____

Topic: _____

Class: _____

Main Ideas/Questions	Notes
<p>Real Numbers</p> <p>()</p>	<p>The Real Numbers consist of the following sets of numbers:</p> <ul style="list-style-type: none"> • Irrational Numbers: Numbers in which the decimal form never terminates and does not repeat. Common examples are π and non-perfect square roots. • Rational Numbers: Numbers in which the decimal form either terminates or repeats. Rational numbers can always be written as a fraction (a/b) where a and b are integers. <p>Subsets of Rational Numbers:</p> <ul style="list-style-type: none"> ○ Integers: $\{\dots, -3, -2, -1, 0, 1, 2, 3, \dots\}$ ○ Whole Numbers: $\{0, 1, 2, 3, 4, \dots\}$ ○ Natural Numbers: $\{1, 2, 3, 4, 5, \dots\}$

<p>Organizing the Real Numbers</p> 	Set	Letter	Examples	
	Irrational Numbers			
	Rational Numbers			
	Integers			
	Whole Numbers			
	Natural Numbers			

Practical Name all sets to which each value belongs.

1. -10	2. $\sqrt{30}$	3. $1\frac{7}{9}$
4. $\frac{24}{8}$	5. 2.48	6. $-\sqrt{81}$
7. $\pi - \pi$	8. $\sqrt{\frac{16}{25}}$	9. $0.\overline{15}$
10. 109	11. $-\frac{8}{3}$	12. $\frac{\sqrt{7}}{\sqrt{7}}$