Name:			
Algebra	Ι		

Date:

<u>Directions</u>: For questions 1 - 21: Determine whether the statement is <u>**True**</u> or <u>**False**</u> and write your answer on the line provided.

1. Every real number is a rational number.	
2. Every rational number is a real number.	
3. Every irrational number is a real number.	
4. Every real number is an irrational number.	
5. Every integer is a rational number.	
6. Every whole number is a natural number.	
7. Every natural number is a whole number.	
8. 0.3535is an example of an irrational number.	
9. Some numbers are both irrational and rational.	
10. 2/3 is an example of an irrational number.	
11. Given set $A = \{5, 7, 9\}$ and set $B = \{d, g, f\}$, set A and set B are equal sets.	
12. $4 \in \{\text{Natural numbers}\}.$	
13. Mary $\in \{\text{Joe, Bobby, Danny}\}.$	
14. π is an example of a rational number.	
15. Counting numbers begin with 0.	
16. 0.3434 is an example of an irrational number.	
171.5 is an example of an integer.	
18. {4, 8, 12} and {8, 12, 4} are equivalent sets.	
19. $5 \in \{\text{integers}\}$	
20. $\{0,1,2\}$ is an example of natural numbers.	
21. {1, 2, 3} is an example of infinite set.	

Directions:	For questions $22 - 25$, identify the number s	et(s) each term b	elongs in.	
a. Real #s	b. Irrational #s	c. Rational #s	d. Integers	e. Whole #s	f. Natural #s
225	23. $\frac{2}{5}$	24.	8	25. П	

<u>Directions</u>: For questions 26 - 30, write your answer on the line provided.

26. A natural number greater than 12 and less than 13 is part of what set?

27. Members of a given set are called:

28. Set of whole numbers greater than 9 and less than 10 is an example of______

29. 1/6 is an example of a ______# and _____#.

30. π is an example of a _____ # and _____#.