

Real Number System
Classification of numbers

1. For every given number, clearly state all sets the number belongs to.

	Number	All sets a given number belongs to
1	$\frac{1}{2}$	
2	-0.64	
3	4^2	
4	2π	
5	0.3	
6	-4.32	
7	$\frac{6}{1.43}$	
8	$\sqrt{-43}$	
9	$0.\bar{6}$	
10	χ	
11	12^{-3}	
12	0	
13	6.24	
14	$\frac{\sqrt{7}}{4}$	

15	204	
16	-47	
17	$\frac{54}{\sqrt{4}}$	
18	15^{-9}	
19	-0.009	

2. Explain the difference between real and unreal numbers.

3. Explain what makes a number real and rational. Use 2 different examples.

4. Define radical numbers.

