Name:				

## **Classifying Rational and Irrational Numbers**

Rational Numbers Repeat or terminate
Irrational Numbers go and and do not repeat

For each of the numbers below, decide whether it is rational or irrational and explain why?

Tor each of the numbers below, decide whether it is fational or irrational and explain why						
Number	Reasoning					
Example: 0.21	Rational because it ends.					
$\frac{3}{12} = \frac{1}{4} = 0.25$	Rat > blc ends					
12 - 4 - 0,25	gat 3 DC ENUS					
12-2						
0.00065						
8.33865						
3.14141414						
3.14141414						
12.52						
12.32						
0						
Ŭ						
.02202222						
.0220222						
$\sqrt{19}$						
$-\sqrt{32}$						
¥ 52						
6000						
1						
_						
•						

0 2/2		
$8-2\sqrt{3}$		
1.234		
1.234		
8,876,546		
$\sqrt{64}$		
1		
$\left  \frac{1}{9} \right $		
9		
777.777777		
$\sqrt{2}-\sqrt{2}$		
4 5		
$\left \frac{1}{2} + \frac{3}{2}\right $		
$\pi * \pi$		
$\frac{\sqrt{8}}{\sqrt{2}}$		
$\sqrt{2}$		
$\sqrt{6} * \sqrt{6}$		
V 0 * V 0		
Rational + Rational		
Irrational + Irrational		
Rational(Rational)		
national (national)		
Irrational(irrational)	Rat 15 15	-
Same#(same#) 3 (1) 3	(3) = 3  (3)	IPR
Irrational(rational)		
rational		
rational		
irrational 7	Data Same #	
imational	= IRR RATE Same#	
T V3	= IPR Rat ) same # same # S	
Rat		
,		