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KEY

For each element in the set  $\left\{5, -3, \frac{1}{2}, 0, \sqrt{11}, -|-4|, \frac{38}{19}, \frac{2}{3}, 0.\overline{389}, \sqrt{64}, 0.4041424344..., \sqrt{-2}, \frac{\pi}{2}, \frac{1}{\sqrt{5}}\right\}$ , indicate which set the number belongs to in the table.

Number	Natural Number	Whole Number	Integer	Rational Number	Irrational Number	Real	None of
5	V	L	L	L	Number	Number	these
-3			L	<u></u>			
1/2							
0				V			\$Q
	H	レ	<u></u>	レ		-	
$\sqrt{11}$		17			~	_	
- -4  =- <b>4</b>			L			~	
38/19 = 2	v	V	L				
				L			
$\frac{4\frac{2}{3}}{3}$				~		r	
0.389				~		~	
<sup>√64</sup> =8	~	~	<u></u>	L		-	
0.4041424344					V .	~	9
$\sqrt{-2}$							
π							
2					V	~	12
$\frac{\frac{\pi}{2}}{\frac{1}{\sqrt{5}}}$					~	_	

Give an example of a number that fits the following criteria (if it's possible):

- a. A number which is both a rational number and an integer
- b. A number which is both real and irrational

17/2

c. A number which is irrational and an integer

not possible

- d. A number which is a counting number but not an integer
- e. A number which is not a real number

-2 ex