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

Number	Natural Number	Whole Number	Integer	Rational Number	Irrational Number	Real Number	None of these
5							
-3							
1/2							
0							
$\sqrt{11}$							
-|-4|							
38/19							
$4\frac{2}{3}$							
$0.\overline{389}$							
$\sqrt{64}$							
0.4041424344…							
$\sqrt{-2}$							
$\frac{\pi}{2}$							
$\frac{1}{\sqrt{5}}$							

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

c. A number which is irrational and an integer

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

e. A number which is not a real number