## Foundations for College Algebra Fall 2017 Quiz #2

## SHOW ALL WORK QUIZ!

1. Use the chart below to place a check mark indicating which sets the item on the left is a member of.

	N	W	Z	Q	$\mathbb{Q}'$	$\mathbb{R}$
2403		~	V		/	
$-\pi$	/	/				
$\frac{4}{3}$			10	<b>/</b>		
$-\sqrt{2}$	1				5 V	

2. Identify the Additive Inverse in the following expression: 3 - (x - 2) - 3

3. Covert the following repeating decimal to a fraction:  $0.\overline{538}$ . Show all steps.

Let 
$$x = 0.538$$

1000  $x = 538.538$ 
 $x = 0.538$ 

999  $x = 538$ 
 $x = 538$ 

999

4. In the second paragraph of page 3 (the beginning of the section of CORI 1.1) it says, "The set of N of natural numbers is unbounded;" what is meant by **unbounded**?

That the set N is infinite.