Math 0097
University of North Georgia
Spring 2015
Quiz #2

Name: _Key_   Date: _January 23, 2015_

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

	$\mathbb{N}$	$\mathbb{W}$	$\mathbb{Z}$	$\mathbb{Q}$	$\mathbb{Q}'$	$\mathbb{R}$
$-\dfrac{4}{3}$				✓		✓
-1			✓	✓		✓
$1.\overline{3}$				✓		✓
$-\sqrt{3}$					✓	✓
0.15				✓		✓

2. What property ensures that the following is true: $|-5| < |-11|$? Name the property and explain why the inequality is true.

The Order Property

$a \quad b$

① $a < b$

② $b > a$

Replace "?" with one of the following symbols: $<, >, \leq, \geq, or =$

3. $\left|-\dfrac{24}{4}\right|$? 0

$6 > 0$

4. $-|5|$? $|-5|$

$-5 < 5$

5. Convert 0.680 in to a fraction.

$$\frac{680}{1000} = \frac{340}{500} = \frac{170}{250} = \frac{85}{125} = \boxed{\frac{17}{25}}$$