

NAME _____

Block _____

Unit 1 Lesson 4
Classify, compare, and order numbers.

E.Q.: How do I classify real numbers?

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Examples: Identify the set(s) to which each number belongs. (Use R, IR, IN, W)

1) 39

2) $\frac{-2}{7}$

3) $\sqrt{36}$

4) $\sqrt{8}$

5) $-5\frac{2}{3}$

6) -2

7) $-\sqrt{81}$

8) $\frac{11}{3}$

E.Q.: How do I compare/order numbers?

Review: Inequality signs

<u>Sign</u>	<u>MEANING</u>	<u>EXAMPLE</u>
>		
<		
≤		
≥		
≠		

Steps to use when putting numbers in order:



Examples:

Compare using <, >, ≤, and ≥.

1) $\frac{4}{3}$ 1.46

2) $\frac{\pi}{2} 1\frac{3}{4}$

3) 3.97 $|-3.902|$

Order from least to greatest.

1) $\sqrt{49}, 8, -\sqrt{4}, -3$

2) $\sqrt{8}, -\frac{2}{5}, -1, 0.6, \sqrt{6}$

3) $\frac{-8}{3}, -\sqrt{5}, 2.6, -1.5, \sqrt{5}$