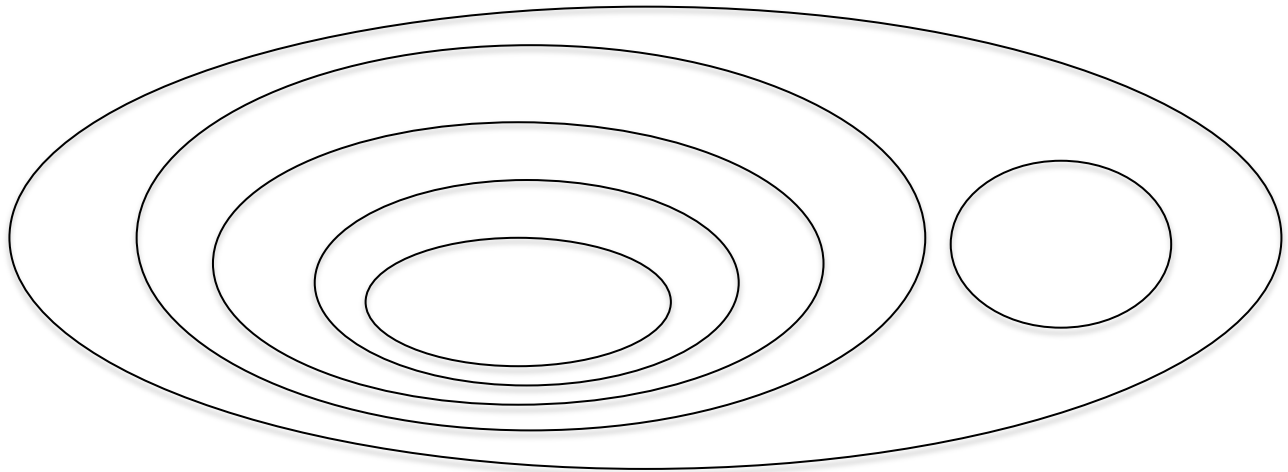


Warm Up 3.6

Name _____ Period _____

Numbers Warm Up

Fill in the Venn diagram below with the number categories as we have discussed. Use the names and symbols for each set given below the diagram.



Real Number (R)

Rational Numbers (Q)

Integers (Z)

Irrational Numbers (I)

Whole Numbers (W)

Natural Numbers (N)

For the following relations, create a **table showing at least three input and output pairs**, plot them on a **graph**, and say what the **domain** and **Range** of each.

1. $\{ (4,3), (-2,2), (5,6) \}$

2. $\{ (5,-7), (-1,4), (5,-5), (-2,3) \}$

3. $f(x) = 3x - 1$

4. $g(1) = 5 ; g(n) = g(n-1) \times 4$

Fill in the graphic organizer that shows the categories of functions with the words below.

Continuous

Linear

Geometric Sequence

Arithmetic Sequence

Exponential

Other Functions

Discrete

All Functions

