

Real Numbers

Name: Mrs. Gross

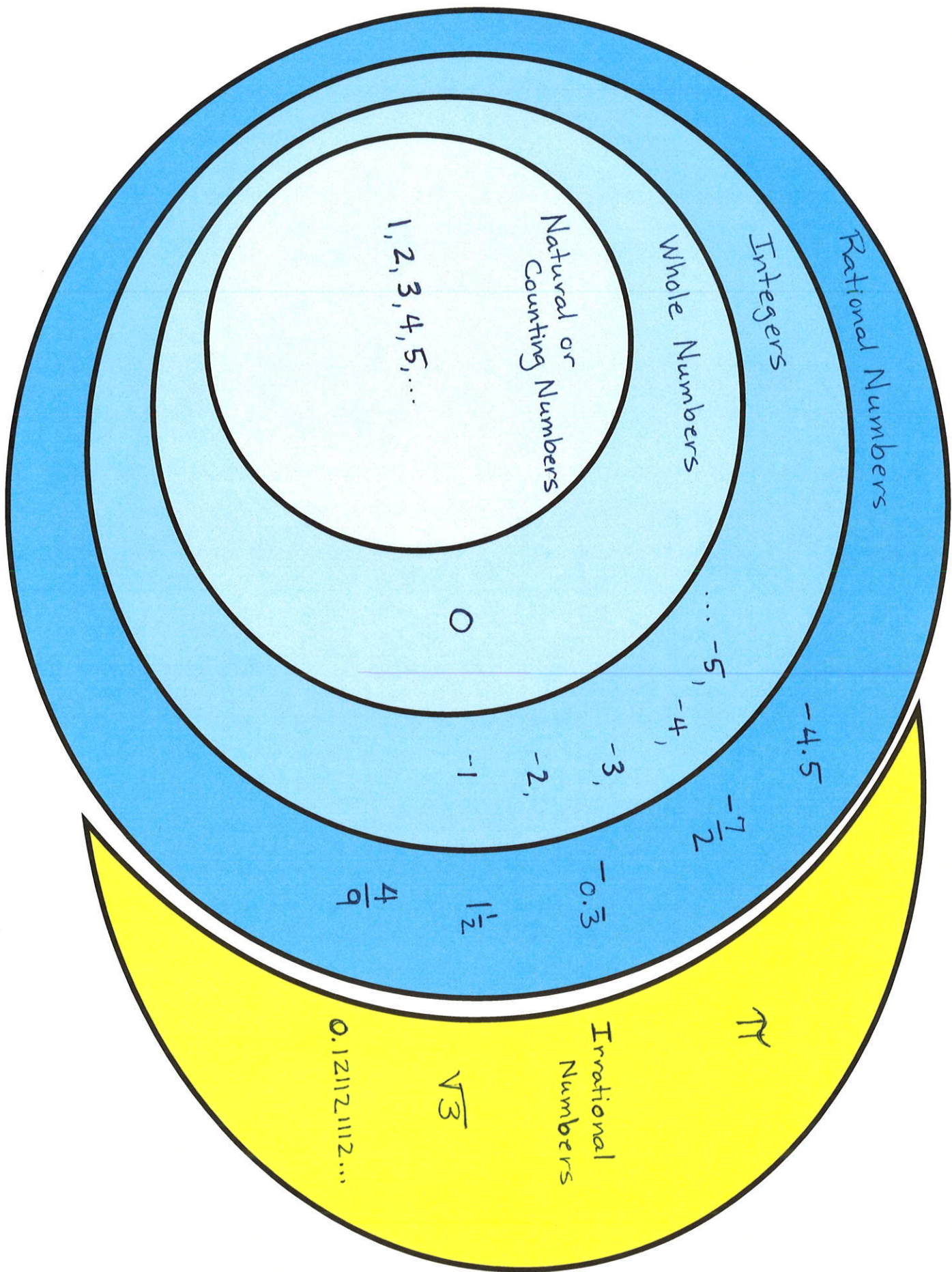
Whole Numbers
0, 1, 2, 3, 4, 5, 6, 7, ...

Natural Numbers
(for counting numbers)
1, 2, 3, 4, 5, 6, 7, ...
 $\sqrt{64} = 8$
 $\frac{12}{4} = 3$
1,047

Integers
... -3, -2, -1, 0, 1, 2, 3, ...
-14 $-\frac{8}{2} = -4$ 7

Rational Numbers
* includes decimals, fractions, and repeating decimals
... $-\frac{1}{2}$, -1, -0.5, 0, $\frac{1}{2}$, $1\frac{3}{8}$, ...
-12.2 $13\frac{3}{5}$ $0.\overline{16}$

Irrational Numbers
• never terminate
• never repeat
 $\sqrt{916}$
 $-\sqrt{17}$
 π
3.0100100010001...



Natural or
Counting Numbers
1, 2, 3, 4, 5, ...

Whole Numbers
Integers

Rational Numbers

0

... -5, -4,

-1

-2,

-3,

-4,

-4.5

$-\frac{7}{2}$

$\frac{4}{9}$

$\frac{1}{2}$

$-0.\bar{3}$

π

Irrational
Numbers

$\sqrt{3}$

0.121121112...