

Name: \_\_\_\_\_

Algebra 1 Honors Homework

### Types of Numbers and Set Notation

Place an "X" in each box that applies to the number in the given row.

	Real Number	Rational Number	Irrational Number	Integer	Whole Number	Natural Number
-7.49234....						
$\sqrt{16}$						
$\frac{13}{15}$						
47						
-2.4						
$-\sqrt{64}$						
2.22222....						
$\frac{85}{0}$						
123.456789						
$\frac{0}{1}$						
$\sqrt{-36}$						
-547						

Represent the following in set-builder notation.

1.  $\{5, 10, 15, 20\}$

2.  $\{2, 4, 6, 8 \dots\}$

Represent the following in roster notation,

3.  $\{x \mid x \text{ is a multiple of } 7\}$

4.  $\{x \mid x \text{ is a multiple of } 10 \text{ that is less than } 50\}$