Algebra II Notes 1-2

Properties of Real Numbers Name:

Numbers and the letters that represent them.

Natural numbers =

Whole numbers =

Integers =

Rational numbers =

Irrational numbers =

Real numbers =

**Example 1**: Name the sets of numbers to which each number belongs.

1. $\sqrt{6}=$
2. $\frac{3}{8}=$
3. $-9=$

**Example 2**: Evaluate each expression.

Name the sets of numbers to which each value belongs.

1. $\sqrt{9}=$
2. $6÷10=$

Properties

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**Example 3**: Distributive Property

Evaluate

1. $3\left(5a+6\right)=$
2. $2\left(7C-5D\right)-3\left(D+2C\right)=$

Algebra II Notes 1-2 Continued

Properties of Real Numbers Name:

Natural numbers = Whole numbers =

Integers = Rational numbers =

Irrational numbers = Real numbers =

**Examples:** Evaluate each expression.

Name the sets of numbers to which each value belongs

1. $\sqrt{44=}$
2. $\sqrt{36=}$
3. $\frac{\sqrt{7}}{2}=$
4. $π=$

**Examples:** Distributive Property

1. $8\left(3a-b\right)+4\left(2b-a\right)=$
2. $4\left(10g+80h\right)-20\left(10h-5g\right)=$