**2.2-2.4 Properties**

**Goals:** \*Understand, identify and apply properties of addition and multiplication

**Properties of Addition**

**Commutative Property:**

**Algebra: Ex:**

**Associative Property:**

**Algebra: Ex:**

**Identity Property:**

**Algebra: Ex:**

**Inverse Property:**

**Algebra: Ex:**

**Identify the property being illustrated.**

**Ex:** (7) + (–7) = 0 **Ex:** –12 + 0 = –12 **Ex:** 4 + 8 = 8 + 4

**Properties of Multiplication**

**Commutative Property:**

**Algebra: Ex:**

**Associative Property:**

**Algebra: Ex:**

**Identity Property:**

**Algebra: Ex:**

**Property of Zero:**

**Algebra: Ex:**

**Property of –1:**

**Algebra: Ex:**

**Identify the property being illustrated.**

**Ex:** –1·8 = –8 **Ex:** 12·*x* = *x*·12 **Ex:** (*y*·9)·4 = *y*·(9·4)

**Ex:** 0·41 = 0 **Ex:** –5(–6) = (–6)(–5) **Ex:** –13(–1) = 13