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: $-1 \cdot 8 = -8$ **Ex:** $12 \cdot x = x \cdot 12$ **Ex:** $(y \cdot 9) \cdot 4 = y \cdot (9 \cdot 4)$

Ex: $0 \cdot 41 = 0$ **Ex:** $-5(-6) = (-6)(-5)$ **Ex:** $-13(-1) = 13$