

**Number Properties
Homework**

Name KEY

Identify whether or not the expressions are equivalent. If they are equivalent, name the property that makes them equivalent.

1) $(12 + 15) + 20 = 12 + (15 + 20)$ Equal \rightarrow Associative Property

2) $npm = pmn$ Equal \rightarrow Commutative Property

3) $8 - 2 - 3 = 2 - 8 - 3$ Not Equal

4) $4(3 + 20) = 7 + 24$ Not Equal

5) $6(2 + 3) = 12 + 18$ Equal
Distributive Property

6) $0.2(5 + 12) = 1 + 2.4$ Equal \rightarrow Distributive Property

7) Explain how the distributive property can help you evaluate the product of (5×39) mentally.

$(5 \times 40) + (5 \times (-1)) = 195$
