Mr. Powder   Pre-Algebra
Ditto 4   Name: _____

Identify the property that the statement illustrates.

1. $m \bullet n = n \bullet m$ 2. $m + 0 = m$

3. $2x + 3y + z = 2x + 3y + z$ 4. $-7u \cdot 1 = -7u$

5. $2 \bullet 3 \bullet 4 = 2 \bullet 3 \bullet 4$ 6. $9 + -9 = 0$

7. $2(6c + 9t) = 12c + 18t$ 8. $7 \bullet \dfrac{1}{7} = 1$

9. Given the set of Whole Number:

   a. Is this number system closed under subtraction?

   b. If not provide a counter-example to illustrate your argument.

   c. On the lines below, explain why or why not Whole Numbers are/are not closed under subtraction.

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