Name _____ Pd _____ Date _____

Algebra: Number Properties

Directions: For each statement below, determine if it is SOMETIMES true, ALWAYS true, or NEVER true. Explain your reasoning.

1. The sum of two counting numbers is positive.

2. If you add an even number to an odd number, the result will be odd.

3. If the product of two numbers is odd, then one of the numbers is odd.

4. If the sum of two numbers is positive, then one of the numbers has to be positive.

5. If the difference of two numbers is positive, then one of the two numbers has to be positive.

6. If the sum of two numbers is odd, the one of the numbers must be odd.

7. The product of two positive numbers each less than one is positive and less than one.

8. Multiplication comes before division.

9. If each term of an arithmetic sequence is larger than the previous term, then the sequence contains a term whose value exceeds 100.

10. If each term of a sequence is smaller than the previous term, then some terms must be negative.

11. Addition comes before multiplication.

12. A negative number raised to a power will be positive.