Mr. Powder
Ditto 39

Pre-Algebra
Name: _____

1. Suppose a mathematician uses the symbol $S(x)$ according to the definition:

   $S(x) = x + 1$ for every positive integer x.

   Which ONE of the following is true if a and b are positive integers?

   A. $S(a) + S(b) = S(a + b)$
   B. $S(a + b) = S(a) + b$
   C. $S(a) \bullet S(b) = S(a \bullet b)$
   D. $S(3a) - S(a) = S(2a)$
   E. $S(a) - S(b) = S(a + b)$

2. A surf shop can make a total of 41 surfboards in a month. The shop makes 4 times as many large boards as small boards. It also makes are 5 more medium boards than small boards. How many of each type are made?