ANSWERS

A) _____

B) _____

C) _____

***** NO CALCULATORS ON THIS ROUND *****

A) Definition: A semi-prime is a positive integer which is the product of exactly two primes. For example, 15, 25 and 145 are semi-primes.

How many semi-primes are there less than 50?

B) Find the sum of the 10 numbers in the 10th row of the following triangular array.

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                    1
                2       3
            4       5       6
        7       8       9       10
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C) Find all possible ordered pairs of positive integers (A, B), for which $A + B = 316$, A is a multiple of 13 and B is a multiple of 11.