PMAT 501/601 L01 Winter 2009
Assignment 2

Questions taken from the text by D. Cohn will be specified by page and number. Due Feb. 23, 2009.

1. In the category $\mathcal{S}$ of sets, show the symmetric difference

$$A \Delta B := (A \setminus B) \cup (B \setminus A)$$

   is associative. Give a proof that uses only the identities of Boolean algebra, i.e. does not use elements.

2. p.13 - 1

3. p.13 - 4

4. p.14 - 9

5. p.24 - 1

6. p.25 - 2

7. p.25 - 3