**Math Review Exercises**

Unit #1

* **Tick mark the correct option.**

1- if a is not the member of theset A, then it is symbolically denoted by:

(a) a is € of A (b) a\A (c) a is not the element of A (d) a ∩ A

2- Which of the following is not a set?

(a) {1,2,3} (b) {a,b,c} (c) {2,3,4} (d) {1,2,2,3}

3- The number of subsets of the set {0} is:

(a) one (b) two (c) three (d)four

4- A set consisting of all subsets of the set X is called:

(a) subset (b)universal set (c) power set (d)super set

5- For three sets A,B and C, (AUB)Uc is equal to:

(a) (AUB) ∩ C (b)(A ∩ C) (c) AU(BUC) (d) (A∩B)∩ C

6- For any two sets A and B, A-Bc is equal to :

(a) A∩Bc (b) Ac∩B (c)A∩B (d)AUB

7- If U= {1,2,3…..,10} and A= {2,4,6,……,10} and B= {1,3,5,…..,9} then (A-B)c is equal to:

(a) U (b) B (c) A (d) Ф

8- If P(A)={ Ф, {a},{b}, {a,b}} then set A is equal to:

(a) Ф (b) {a} (c) {b} (d) {a,b}

9- If Ф is an empty set, then (Фc)c is equal to :

(a) X (b) O (c) Ф (d) {0}

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