

# Homework Solutions

January 23, 2007

## Chapter 4 Section 1

2. (a)  $\{4,5,6,7,8\}$

(b)  $\{e,s,c,a,l,t\}$

(c)  $\{-4, 4\}$

3.  $A = C = E$  and  $B = D$

4.  $\{\text{Bob}\}, \{\text{Ed}\}, \{\text{Sue}\}, \{\text{Bob, Ed}\}, \{\text{Bob, Sue}\}, \{\text{Ed, Sue}\}, \{\text{Bob, Ed, Sue}\},$   
Null Set

9.  $A^c = \{3, 5, 6\}$

$B^c = \{1, 3, 6\}$

10. (a) T (b) F (c) T (d) F (e) T (f) F (g) T

(h) T (i) F (j) F (k) F (l) F

## Chapter 4 Section 2

8. a) True

b) False

c) False

d) True