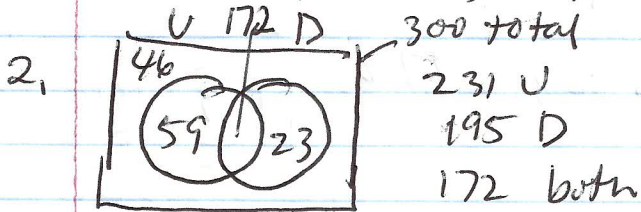
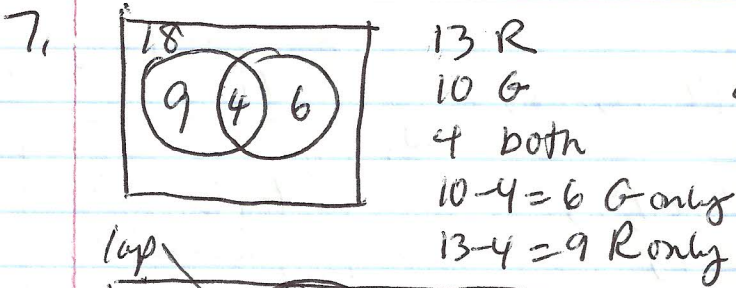


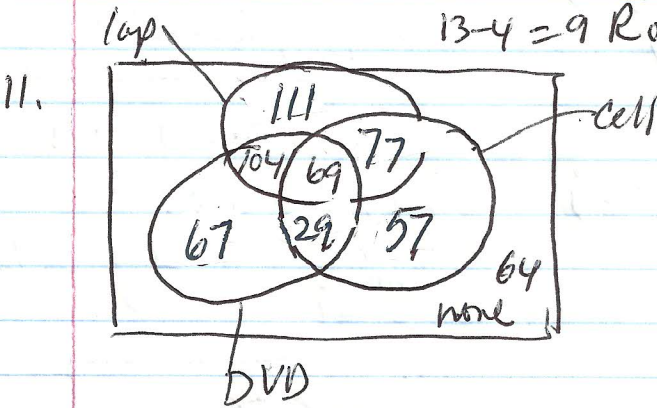
39, 44, 45
 2, 2/27, 11, 17, 20, 23, 24, 27, 30, 31, 35, 36, 37, 38,



- a) $U \text{ or } D = 231 + 195 - 172 = 254$
 b) $U \text{ not } D = 231 - 172 = 59$
 c) $D \text{ not } U = 195 - 172 = 23$
 d) none = 46



- a) $R \text{ or } G = \frac{9 + 4 + 6}{37} = 53.4\%$
 b) $R \text{ only } \frac{9}{37} = 24.3\%$
 c) $G \text{ only } \frac{6}{37} = 16.2\%$



- 313 lap
 232 cell
 269 DVD
 69 all 3
 98 C & D
 57 C only
 104 L & D only
 64 none
- ③ $313 - 77 - 69 - 104 = 111$
 ④ $232 - 57 - 29 - 69 = 77$
 ④ $269 - 104 - 69 - 29 = 67$
 ① $98 - 69 = 29$

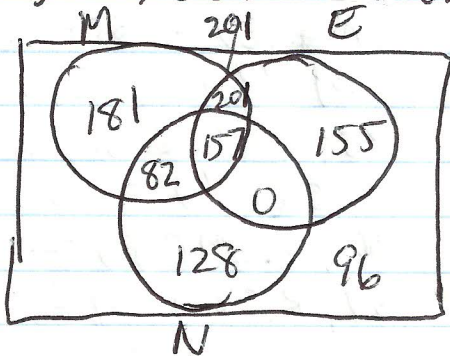
Total = $111 + 104 + 69 + 77 + 67 + 29 + 57 + 64 = 530$

a) $\frac{232}{530} = 43.8\%$

b) $\frac{57}{530} = 10.8\%$

#14 - see end

17.



- 621 Macy's
 513 Emp.
 367 Nord.
 723 E or N
 449 M or N
 776 M or E
 157 all 3
 96 none
- ④ M only = $621 - 201 - 157 - 82 = 181$
 ⑤ E only = $513 - 201 - 157 - 0 = 513$
 ⑥ N only = $367 - 157 - 82 - 0 = 128$
 ③ E or N = $513 + 367 - 157 = 0$
 ① M or N = $621 + 367 - 157 = 82$
 ③ M or E = $621 + 513 - 157 = 201$

Total = $621 + 155 + 0 + 128 + 96 = 1000$

a) $\frac{82 + 157 + 128 + 0}{1000} = \frac{440}{1000} = 44\%$

b) $N \text{ only} = \frac{128}{1000} = 12.8\%$

