**Section B: <u>Homework</u>**

1) The following is the eye color of a random sample of 35 patients who go to Hamilton Eye Care Associates.

| blue | hazel | green | green | brown | brown | brown | blue | green | hazel | green | green | brown |
|------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|
| brown | blue | hazel | brown | green | brown | green | green | blue | brown | brown | brown | blue |
| green | brown | hazel | green | green | brown | brown | blue | hazel | | | | |

a) Construct a Frequency table.

b) Add a relative frequency column to the distribution you constructed in part (a). Round answer to two decimal places.

c) How many patients have blue eyes?_____

d) What percent of the patients have hazel eyes?_____

e) What percent of the patients have brown or green eyes?_____

f) Construct a bar graph.

g) Construct a pie chart.

2) The network data for the Top 40 TV shows of all time by IGN Entertainment is as follows:

| HBO | HBO | CBS | AMC | NBC | CBS | AMC | ABC | FOX | NBC |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| HBO | NBC | CBS | FOX | NBC | COMEDY CENTRAL | NBC | SCI-FI | COMEDY CENTRAL | PBS |
| HBO | BBC | NBC | NBC | COMEDY CENTRAL | HBO | HBO | NBC | ABC | THE WB |
| NBC | NBC | FOX | FOX | ABC | CBS | FOX | BBC | HBO | PBS |

a) Construct a Frequency table.　　　b) Add a relative frequency column to the distribution you constructed in part (a). Round answer to three decimal places.

c) How many of the Top 40 TV shows of all time were on NBC?_____

d) What percent of the Top 40 TV shows of all time were on HBO?_____

e) How many of the Top 40 TV shows of all time were on ABC, NBC or CBS?_____

f) What percent of the Top 40 TV shows of all time were on FOX or COMEDY CENTRAL? _____