

# **Review Session 2**

Q1) Given that a CDrom can store up to 70mins of audio file, can you calculate how many Mbytes of data a CDrom stores?

(Note : Audio file has these specifications, Stereo, sampling rate at 44.1KHz)



Q2) Given that a CDrom can store 700Mbytes of data, how many minutes of audio data can it store?

(Note : Audio file has these specifications, Stereo, sampling rate at 44.1KHz)



Q3) If we are going to store (320x240 pixel, 24bits/pixel, 30 frames/sec) video only (no audio), how many minutes can we store in a CDrom with a capacity of 700Mbytes?



Q4) To store (320x240 pixel, 24bits/pixel, 30 frames/sec) video only (no audio) for 60 minutes using a CDrom with a capacity of 700Mbytes, how much compression ratio needs to be achieved?





# Exercise

- If we are going to store (320x240 pixel, 24bits/pixel, 30 frames/sec) video with CD quality audio, how many minutes can we store in a CDrom with a capacity of 700Mbytes?

# Exercise

- To store (320x240 pixel, 24bits/pixel, 30 frames/sec) video with CD quality audio for 60 minutes using a CDrom with a capacity of 700Mbytes, how much compression ratio needs to be achieved?