1.	An average audio CD can contain 650 MB of data. Given that the audio is stored in <i>stereo</i> 16 bit samples at a rate of 44100 Hz, how many minutes of audio can a CD contain? Show all work. [5 pts]
2.	It takes 10 bits to encode an <b>nxm</b> memory where m is 8 bits. What is the size of the memory? [2 pts]
3.	How many bits does it take to encode a memory that contains 1 second of a mono, 16 bit, audio snippet sampled at 8000 Hz? [3 pts]