CMPS-2240 Warmup Written Quiz   name _____

For this quiz, get a clean piece of paper, a #2 pencil, and an eraser.
Do this quiz on paper just as if you were in the classroom at CSUB.
Write clearly. You may show your work if you like, then circle your answers.

When finished, take a picture of the paper with a phone, scanner, or webcam.
Save the picture in your **2240/1/** folder on Odin.

Name the image file: **wquiz1.jpg**

Rules:
  Your answers are just numbers.
  All numbers are regular decimal numbers.
  You do not have to specify that a decimal number is a decimal number.
  You only specify binary, octal, and hex numbers as being so.
  In question #1, 00000001 is not a number, it is a bit pattern.
  Give just one answer per question please.
  Circle your answer.

1. You are given a byte of memory with the following bit pattern: 00000001
   What decimal value will the byte contain after the following four operations
   have been completed?

        bit-shift left 2
        add 1
        bit-shift left 2
        add 1

2. Start with the final value of the byte from question 1 above.
   What value will be produced by the following operation?

   note: & is the bitwise logical and operator.

        byte & 0xC