COSC-A212 Introduction to Programming II HW25

Name: _____

Please answer as concisely as possible when appropriate. Keep it simple, brief, and to the point. And always show your work! Note each problem requires a specific result base! Your answers must be formatted correctly to get credit. **You MUST show your work to get any credit** (use the back if necessary)!!!!

1. The following number is a merged hexadecimal web-format color. Convert it to the **three** components in **decimal** format from 0 to 255.   _____

    ```
    #F4AA00
    ```

2. Approximately what color (name) is the previous answer?   _____

3. The following number is in RGB decimal component format from 0 to 255. Convert it to a merged hexadecimal web-format color.   _____

    ```
    (102, 0, 0)
    ```

4. Approximately what color (name) is the previous answer?   _____

5. A computer you are using stores addresses in 4-byte increments. The address of a variable is 0x62FF08 and the next variable is stored at 0x62FF14. How many **bytes** does the first variable require?   _____

6. A computer you are using stores addresses in 4-byte increments. The address of a variable is 0x62FA18 and the next variable is stored at 0x62FA20. How many **bits** does the first variable require?   _____