

CMPU-224 Lab 2 Quiz

Spring 2025

Name: _____

This is a closed book, closed notes quiz. No electronic devices are allowed. You have until 3:30pm to complete the quiz. There are a total of 10 questions and 10 points.

Good Luck!

1. (1 point) Write the URL for the class website: https://_____

2. (1 point) Convert the decimal (base-10) integer 37 to binary: _____

3. (1 point) Convert the unsigned binary (base-2) integer 110010 to decimal: _____

4. (1 point) Convert the binary integer 1001101010 to hexadecimal (base-16): _____

5. (1 point) Convert the hexadecimal integer 0xC54 to binary: _____

6. (1 point) Convert the decimal integer -24 to a 8-bit sign and magnitude number.

Give your answer in **hexadecimal**: _____

7. (1 point) Convert the decimal integer -24 to a 8-bit one's complement number.

Give your answer in **hexadecimal**: _____

8. (1 point) Convert the decimal integer -24 to a 8-bit two's complement number.

Give your answer in **hexadecimal**: _____

9. (1 point) Convert the unsigned base-3 number 1210_3 to a decimal number: _____

10. (1 point) What is the largest (most positive) 10-bit two's complement number?

Give your answer in **hexadecimal**: _____