

Math 156 X01
Assignment 1

Covers: Sections 1.1-1.5
Due: Thurs Jan 22 at 8:30am

INSTRUCTIONS:

This assignment will be marked for completion.

Solutions will be posted on the course website 24 hours after the deadline.

You may not copy the work of another person or AI.

Submit jpg or pdf files to the D2L Dropbox.

1. Convert to decimal:

a) 6712_8

b) 31013_4

2. Convert to decimal:

a) 101101110_2

b) $CBA77_{16}$

3. Convert to decimal and round your answer to two decimal places:

237.237_8

4. a) Convert 2139 to octal.

b) Convert 0.84375 to base 4.

c) Convert 301.640625 to base 4.

5. Convert 0.85 to base 4.

6. a) Convert 27.64_8 to binary.

b) Convert 11111010.1101_2 to octal.