COMP2270 Lab 1
Due September 9 at beginning of lab

Convert the following numbers to the indicated base. Use a separate sheet of paper. Show your work and please, please include your name. You can use a calculator for its arithmetic functions (addition, subtraction, multiplication), but don't do the entire conversions on a computer.

1. Convert 1470 to binary.

2. Convert 0b101010011 to decimal.

3. Convert 0b1101 0100 0000 1110 0001 1100 1001 0010 1111 to hexadecimal.

4. Convert 0b110 000 101 011 to octal.

5. Convert 0o41773 to binary.

6. Convert 0xDEADBEEF to binary and then to octal.

7. Convert 0o8150 to binary and then to decimal.

8. Convert 388 to binary. Then, use two's complement to convert 388 to -388 in binary.

9. Convert 700.49 to binary up to the 1/16ths spot.

10. Count from 0x0 through 0x10 in ternary (base 3). Show the ternary column values.