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Name <u>Yingqing Huang</u> Lab section <u>106</u>

Lab 4 - Radix Conversion Worksheet

Convert:

1.
$$0x4F45$$
 into octal
= $4*16^3 + 15*16^2 + 4*16 + 5 = 20293_{10}$
= $8^4*4 + 3909 = 8^4*4 + 8^3*7 + 8^2*5 + 8*0 + 5 = 47405_8$

2.
$$269_{10}$$
 into radix 7 = $7^2*5 + 7*3 + 3$ = 533_7

- 5. Given the following positive binary integer in two's complement: 010100110111101
 - a) Convert the number to hexadecimal: =0x535D
 - b) Negate the number. Flip 0 and 1 1010 1100 1010 0010 Add one 1010 1100 1010 0011