

## Chapter 2 - Exercises

Please complete the assignments listed (with modifications as indicated) and **submit your work via blackboard**. Show your work to get credit.

1. Convert the following from decimal:

i)  $(45)_{10} = ( )_2$

ii)  $(177)_{10} = ( )_4$

iii)  $(1518)_{10} = ( )_8$

iv)  $(4401)_{10} = ( )_{16}$

2. Convert the following from Decimal:

i)  $(10101)_2 = ( )_{10}$

ii)  $(2302)_4 = ( )_{10}$

iii)  $(1605)_8 = ( )_{10}$

iv)  $(68A)_{16} = ( )_{10}$

3. Convert  $0.5625_{10}$  to base 2

4. Convert  $14.5625_{10}$  to base 2