

# ICS Homework Week 2

September 20, 2022

## 1 Number Conversion

Fill the table below:

Binary	Decimal	Hexadecimal
111 1110 0100	2020	0x7E4
10 0000 0010 0000	8224	0x2020
110111001100101	23225	0x5AB9

## 2 Binary Operations

Give two 8-bits wide numbers  $A=0x67$  and  $B=0x53$ . Calculate the values of the following expressions.

1.  $A \& B = 0x43$
3.  $A \mid B = 0x77$
5.  $A \wedge B = 0x34$
6.  $(A \& B) \mid (A \wedge B) = 0x77$