

HW 7

Assembly and Machine Language

Name: _____ Time spent: _____ min

1) Convert to/from assembly/machine language for our pretend processor

40 pts

Machine → Assembly

0101000110000000

1100000011111011

Assembly → Machine

or RA, RA, RB

ld RA, RD

2) Convert the following statement to assembly code

40 pts

Assume the following memory locations

x @ 0x8, y @ 0xC

y = x + 7 // 6 lines of assembly

3) Identify the 5(6) stages of processor operation and give a short description of each. 20 pts