

Last name: First name: Group:

ANSWER SHEET TO BE HANDED IN WITH THE SCRIPT**Exercise 2**

| Instruction | Memory | Register |
|-----------------------------|-----------------------------------------|------------------------------------|
| Example | \$005000 54 AF 00 40 E7 21 48 C0 | A0 = \$00005004 A1 = \$0000500C |
| Example | \$005008 C9 10 11 C8 D4 36 FF 88 | No change |
| MOVE.B -1(A2), -(A1) | | |
| MOVE.L \$500E, -1(A1,D0.W) | | |
| MOVE.L #\$500E, -8(A0,D1.W) | | |
| MOVE.W \$500A(PC), -(A1) | | |

Exercise 3

| Operation | Size (bits) | Result (hexadecimal) | N | Z | V | C |
|-------------------------|-------------|----------------------|---|---|---|---|
| \$A3 + \$5C | 8 | | | | | |
| \$7005 + \$7005 | 16 | | | | | |
| \$7FFFFFFF + \$80000001 | 32 | | | | | |

Exercise 4

| | |
|-------------------------------------------------------------------------------------------------------|---------|
| Values of registers after the execution of the program. Use the 32-bit hexadecimal representation. | |
| D1 = \$ | D3 = \$ |
| D2 = \$ | D4 = \$ |