**Homework 5**

**Assembly Language**

1. Suppose

AX contains 0500h Offset 1000h contains 0100h

BX contains 1000h Offset 1500h contains 0150h

SI contains 1500h Offset 2000h contains 0200h

DI contains 2000h Offset 3000h contains 0400h

Offset 4000h contains 0300h

and BETA is a word variable whose offset address is 1000h

For each of the following instructions, if it is legal, give the source offset address or register and the result stored in the destination.

1. MOV DI, SI
2. ADD AX, [SI]
3. LEA BX, BETA[BX]
4. ADD BH, [BL]
5. MOV AX, [BX + DI + BETA]