**Homework 4**

**Assembly Language**

1. Write a sequence of instructions to do the following:

 Put the sum 1 + 4 + 7 + … + 148 in AX.

1. The following algorithm may be used to carry out division of two nonnegative numbers by repeated subtraction:

 initialize quotient to 0

 WHILE dividend >= divisor DO

 increment quotient

 subtract divisor from dividend

 END\_WHILE

 Write a sequence of instructions to divide AX by BX, and put the quotient in CX.