**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.