Fundamental of Programming (Lab Exam Paper III)

1. Write a C++ program to check whether entered sides are of valid right angle triangle or not. Use Pythagoras’s theorem. (Hyp2=Base2+Perp2)
2. Write a C++ program to calculate sum of the arithmetic series given below up to 20 terms.  
   1+3+6+10+15+21+…………+20th term
3. Write a C++ program to print the following pattern:  
   ABCDEF  
    BCDEF  
    CDEF  
    DEF  
    EF  
    F