1. Suppose that , and *t* = 0:0.2:2, *a* = 5, and *b* = 3. Use MATLAB code to compute the following expression:

**(a)** . (b) 

1. Write a MATLAB script file to plot the following mathematical function:

Use the command plot(x,f) to plot this function, for the interval ., in step of 0.1.

1. A mortgage bond (loan) of amount is obtained to buy a house. The interest rate r is 15%. The fixed monthly payment that will pay off the bond loan over N years is given by the formula



1. Write a MATLAB script file to compute with related to N=15 to N=25 in step of 5 years and rate r=0.15 to r=0.2 in step of 0.01. Use “fprintf” to print out the corresponding value for each case of N and r. (Notes: you must use pointwise operation to calculate )
2. Use the command plot(N,P) to show the function P(N) at a fixed rate r=0.15.