Group FORTRAN Program 5

The Matrix Calculator Program

This is a group program.

Write a FORTRAN program to:

- Prompt the user to perform matrix addition, matrix subtraction, matrix multiplication using the dot product, matrix transpose, or quit.
- The program will prompt the user for the appropriate dimensions.
- The program will then read the appropriate data from the keyboard.
- The program will perform the appropriate operation.
- The program will then print the operands and the result to the display.
- The program will use subroutines to process the matrix reading, process modules, and printing.
- Include the program name (not gxp5.for), program number, and group member names at the top of the program.
- Name the program GxP5.FOR where x is the group number.
- Comment your program.
- Include your names, group number, the class, and program name and number on the device used to submit the program.
- Do not use exit's, goto's etc.