```
// This program uses the setprecision and fixed
// manipulators to format file output.
#include<iostream>
#include<iomanip>
#include<fstream>
using namespace std;

int main()
{
      fstream dataFile;
      double num = 17.816392;

      dataFile.open("numfile.txt", ios::out);       // Open in output
mode

      dataFile << fixed;                        // Format for fixed-point
notation
      dataFile << num << endl;           // Write the number

      dataFile << setprecision(4); // Format for 4 decimal places
      dataFile << num << endl;           // Write the number

      dataFile << setprecision(3); // Format for 3 decimal places
      dataFile << num << endl;           // Write the number

      dataFile << setprecision(2); // Format for 2 decimal places
      dataFile << num << endl;           // Write the number

      dataFile << setprecision(1); // Format for 1 decimal place
      dataFile << num << endl;           // Write the number

      cout << "Done.\n";
      dataFile.close();                  // Close the file
      return 0;
}
```