**Cross Reference from Project 1 You are to fill-in with where located in code**

| Chapter | Section | Topic | Where Line #"s | Pts | Notes |
|---|---|---|---|---|---|
| 2 | 2 | cout | | | |
| | 3 | libraries | 10-18 | 5 | iostream, iomanip, cmath, cstdlib, fstream, string, ctime |
| | 4 | variables/literals | | | No variables in global area, failed project! |
| | 5 | Identifiers | | | |
| | 6 | Integers | 93 | 1 | |
| | 7 | Characters | 86 | 1 | |
| | 8 | Strings | 170 | 1 | |
| | 9 | Floats No Doubles | 109 | 1 | Using doubles will fail the project, floats OK! |
| | 10 | Bools | 81 | 1 | |
| | 11 | Sizeof ***** | ***** | | |
| | 12 | Variables 7 characters or less | X | | All variables <= 7 characters |
| | 13 | Scope ***** No Global Variables | X | | |
| | 14 | Arithmetic operators | 292 | | |
| | 15 | Comments 20%+ | X | 2 | Model as pseudo code |
| | 16 | Named Constants | 73 | | All Local, only Conversions/Physics/Math in Global area |
| | 17 | Programming Style ***** Emulate | X | | Emulate style in book/in class repositiory |
| | | | | | |
| 3 | 1 | cin | | | |
| | 2 | Math | | | |

| | | | | | |
|---|---|---|---|---|---|
| | | Expression | | | |
| | 3 | Mixing data types **** | ***** | | |
| | 4 | Overflow/Underflow **** | ***** | | |
| | 5 | Type Casting | 294 | 1 | |
| | 6 | Multiple assignment ***** | ***** | | |
| | 7 | Formatting output | 175 | 1 | |
| | 8 | Strings | 170, 297 | 1 | |
| | 9 | Math Library | 456 | 1 | All libraries included have to be used |
| | 10 | Hand tracing ****** | ***** | | |
| | | | | | |
| 4 | 1 | Relational Operators | 271 | | |
| | 2 | if | 146 | 1 | Independent if |
| | 4 | If-else | 203-224 | 1 | |
| | 5 | Nesting | 203-227 | 1 | |
| | 6 | If-else-if | 561-570 | 1 | |
| | 7 | Flags ***** | 184 | | |
| | 8 | Logical operators | 274 | 1 | |
| | 11 | Validating user input | 640-645 | 1 | |
| | 13 | Conditional Operator | 461 | 1 | |
| | 14 | Switch | 628 | 1 | |
| | | | | | |
| 5 | 1 | Increment/Decrement | 247, 248 | 1 | |
| | 2 | While | 188 | 1 | |
| | 5 | Do-while | 421-436 | 1 | |

| | | | | | |
|---|---|---|---|---|---|
| | 6 | For loop | 391 | 1 | |
| | 11 | Files input/output both | 145,150,310 | 2 | |
| | 12 | No breaks in loops ****** | X | | Failed Project if included |
| | | | | | |
| | | | | | |
| | | | Total | 30 | |

****** Not required to show



**Cross Reference for Project 2 You are to fill-in with where located in code**

| Chapter | Section | Topic | Where Line #"s | Pts | Notes |
|---|---|---|---|---|---|
| 6 | | Functions | | | |
| | 3 | Function Prototypes | 28-59 | 4 | Always use prototypes |
| | 5 | Pass by Value | 170 | 4 | |
| | 8 | return | 793 | 4 | A value from a function |
| | 9 | returning boolean | 255, 649 | 4 | |
| | 10 | Global Variables | X | XXX | Do not use global variables -100 pts |
| | 11 | static variables | 451,476 | 4 | |
| | 12 | defaulted arguments | 38 | 4 | |
| | 13 | pass by reference | 612 | 4 | |
| | 14 | overloading | 36, 37, 48, 49 | 5 | |
| | 15 | exit() function | 635 | 4 | |
| 7 | | Arrays | | | |
| | 1 to 6 | Single Dimensioned Arrays | 120 | 3 | |
| | 7 | Parallel Arrays | 357 | 2 | |

| | | | | | |
|---|---|---|---|---|---|
| | 8 | Single Dimensioned as Function Arguments | 612, 692 | 2 | |
| | 9 | 2 Dimensioned Arrays | 612, 692 | 2 | Emulate style in book/in class repositiory |
| | 12 | STL Vectors | 123, 342 | 2 | |
| | | Passing Arrays to and from Functions | 612 | 5 | |
| | | Passing Vectors to and from Functions | 375, 379 | 5 | |
| | | | | | |
| 8 | | Searching and Sorting Arrays | | | |
| | 3 | Bubble Sort | 416 | 4 | |
| | 3 | Selection Sort | 379 | 4 | |
| | 1 | Linear or Binary Search | 767 | 4 | |
| | | | Total | 70 | Other 30 points from Proj 1 first sheet tab |

****** Not required to show