CSCI-342 Operating Systems
Quiz 5
Chapter 8.5.5 Writing Signal Handlers

Name _____

Describe in detail each of the following guidelines (G0 – G5) that the authors recommend for writing signal handlers and explain the rationale for each recommendation. Your descriptions and explanations must convince me that you understand the recommendations.

G0. Keep handers as simple as possible
G1. Call only async-signal-safe functions in your handlers
G2. Save and restore errno
G3. Protect accesses to shared global data structures
G4. Declare global variables with volatile
G5. Declare flags with sig_atomic_t