Problem INT-1 (4 parts)

Part A: Give a specific example of each of the following exceptions.

A synchronous exception:

An asynchronous exception:

Part B: Where does an exception (interrupt) handler obtain storage? What impact does this have on the access functions for this storage?

Part C: Explain the difference between a synchronous and asynchronous exceptions. Give an example of each type.

Part D: Explain the difference between the IRQ and NMI inputs on most processors. Which input is most often used? Why is the other input required?