INTROFS13 Recap Questions SW2

Q: Write down an example of a hard real-time system.
A: Air bag, Pacemaker or Aircraft Control Systems

Q: Write down an example of a soft real-time system.
A: Video stream

Q: What are the benefits of using Processor Expert Components?
A: Code-reuse and time-saving (You don't have to deal with the very low level)

Q: How can you "Guard" a header file?
A: /* drv.h */
      #ifndef __DRV_H_
      #define __DRV_H_
      ...
      #endif

Q: Why can the following "define" cause problems and how can it be improved.
      #define MYSUM 3 + 9
A: MYSUM used in an equation can lead to unexpected results. Because the define
      will be textually replaced. For example 10 * MYSUM would result in 10 * 3 + 9 = 39
      and not how expected 10 * (3 + 9) = 120. Simple brackets solves this problem:
      #define MYSUM (3 + 9)