# Homework 2 Processor performance

1. The performance of a processor is affected by many different factors. For example, the speed at which the processor is clocked determines how much time is taken to complete instructions. A higher clock rate generally results in the quicker processing of instructions but this is not the only factor.   
     
   Describe **two** other factors that affect the performance of a processor. [6]
2. Describe what is meant by each of the following terms, giving an example of how each is used in a computer system.

(a) parallel processing [2]

(b) pipelining [2]

3. Isobel needs to work on a report. She loads a word processing package and the report, finding that it takes a long time. She writes the report and closes the word processor, before remembering something else she should have included. She reloads her document, this time finding that it loads in a fraction of the time that it took before.

Explain a possible reason for this. [2]

[Total 12 marks]