<u>Tutorial 9: Use in practice</u>

Q1. Describe <u>three</u> principal issues faced by engineers when deploying detailed energy simulation tools in practice.

Q2. In relation to integrated building performance simulation, identify <u>three</u> progressively detailed input levels and the performance assessments then made possible.

Q3. In relation to energy systems simulation, select <u>five</u> principal program input parameters, state the nature of a related uncertainty and suggest what action might be taken to reduce this uncertainty.

Q4. Describe the steps involved in undertaking a performance assessment using an integrated energy simulation program. For each step give an example of the required action and the related knowledge.

Q5. Identify <u>five</u> performance entities that might be displayed in an 'Integrated Performance View' and describe how together they might be used to refine the overall performance of a design.

Q6. Explain the steps involved in calibrating an energy model.

Q7. Identify 3 distinct performance aspects that could be studied by a high resolution model of a low energy dwelling.