1. Why go to the trouble of using a matrix manipulation subprogram from a library when you can write your own program easily?

2. Why is *round-off error* a concern when using matrices?

3. What might be the consequence of there being more unknowns than there are equations relating the unknows?

4. What might be the consequence of there being more equations relating unknowns than there are unknowns?

5. What matrix equation describes a system of linear equations?

6. Why must a search procedure, and not a direct solution, be used to solve the eigenvalue problem?

7. In Java and Python, matrices are stored in *row major* order. Explain what that means.