1. Can $D_4$ be represented as an internal direct product of two subgroups? If so, find such a representation. If not, explain why not.

2. Problem number 2 on page 310 of your text.

3. Problem number 4 on page 310 of your text.

4. Problem number 9 on page 311 of your text.

5. Problem number 16 on page 160 of your text.

6. Problem number 2 on page 164 of your text.

7. Problem number 4 on page 164 of your text.