

**Instructions**

- Answer each question completely; justify your answers.
1. What is the size of the set of symmetries of a cube? Explain.
  2. Exercise 9.1.3.
  3. Exercise 9.1.9.
  4. Exercise 9.1.16.
  5. Exercise 9.2.1.
  6. Exercise 9.2.3.
  7. Exercise 9.2.7.
  8. Exercise 9.3.1.
  9. Exercise 9.3.5.
  10. Exercise 9.3.6.
  11. Exercise 9.3.11.
  12. Exercise 9.3.15.
  13. Exercise 9.4.1.
  14. Exercise 9.4.3.
  15. Exercise 9.4.5.
  16. Exercise 9.4.6.
  17. Exercise 9.4.7.
  18. Exercise 9.4.9.