## Worksheet 11

- 1. Complete the Cayley table for the symmetries of the equilateral triangle.
- 2. Let  $\sigma = \sigma_1$  and  $\tau = \tau_1$ . Show that every element of the symmetry group of the equilateral triangle can be written in the form  $\sigma^i \tau^j$  for some i, j satisfying i = 0, 1, or 2 and j = 0 or 1.