Assignment on isomorphism

1) Make the Cayley table（演算表）of composition
   （積）of symmetries（対称性）of checker flag（チェッ
   カーフラッグ）$C = \{ e, r, q_1, q_2 \}$.

2) Let $Z_8^* = \{1,3,5,7\}$ and $\otimes$ be multiplication
   modulo 8（8の剰余積）. Make the Cayley table of
   $\otimes$.

3) Find an isomorphism $f : C \rightarrow Z_8^*$.