1. Compute $\rho_{O,\frac{2}{\pi}}\rho_{\frac{1}{0},\frac{2}{\pi}}$ explicitly.

2. Compute $\rho_{\frac{1}{1},\frac{-2}{\pi}}\rho_{\frac{0}{0},\frac{2}{\pi}}$ explicitly.

3. Compute $\tau_{O,\frac{0}{\pi}}\rho_{O,\frac{2}{\pi}}$ explicitly.

4. Let $\ell$ be the line $y = 0$ (the x-axis), and $m$ the line $y = x$.
   Compute $\sigma_m\sigma_{\ell}\sigma_m$ explicitly.

5. Let $\ell$ be the line $y = 4x + 6$, $m$ the line $y = 4x - 2$, and $n$ the line $y = -\frac{1}{4}x$. Calculate the following explicitly:
   a) $\sigma_n\sigma_{\ell}$
   b) $\sigma_n\sigma_m$
   c) $\sigma_m\sigma_{\ell}$.