$$\left\{\rho\mathbf{x} = \begin{pmatrix} 0 & 1 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{pmatrix}, \; \rho\mathbf{y} = \begin{pmatrix} 0 & 0 & 0 \\ 0 & 0 & \hbar \\ 0 & 0 & 0 \end{pmatrix}, \; \rho\mathbf{c} = \begin{pmatrix} 0 & 0 & 1 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{pmatrix}\right\};$$

$$\{\rho\mathbf{x}.\rho\mathbf{y} - \rho\mathbf{y}.\rho\mathbf{x} == \hbar\,\rho\mathbf{c}, \; \rho\mathbf{x}.\rho\mathbf{c} == \rho\mathbf{c}.\rho\mathbf{x}, \; \rho\mathbf{y}.\rho\mathbf{c} == \rho\mathbf{c}.\rho\mathbf{y}\}$$