Schr126.32.

(a) The manifold beau flat is easily seen from
the metric beary constant thus gav, ye rand for any was, and Riemannian tenor ranshes.

To dagonative [0] ne apply

the sotation by I to both sides & get

$$\begin{bmatrix} 0 & 1 \\ 1 & 0 \end{bmatrix} \rightarrow R(-\frac{\pi}{2}) \begin{bmatrix} 0 & 1 \\ 1 & 0 \end{bmatrix} R(\frac{\pi}{2})$$

$$= \left(\frac{\cos \frac{\pi}{2} - \sin \frac{\pi}{2}}{\sin \frac{\pi}{2}}\right) \left(\frac{\cos \frac{\pi}{2}}\right) \left(\frac{\cos \frac{\pi}{2}}{\sin \frac{\pi}{2}}\right) \left(\frac{\cos \frac{\pi}{2}}\right) \left(\frac{\cos \frac{$$

$$\begin{array}{c|c}
\hline
\begin{bmatrix}
\overline{12} & -\overline{12} \\
\overline{2} & \overline{12}
\end{bmatrix}
\begin{pmatrix}
0 & 1 \\
1 & 0 \\
-\overline{12} & \overline{12}
\end{bmatrix}$$

$$= (-1)$$

$$= 7$$
 1 has synature $\pm 3 - 1 = 2$

7 1 10 19 29 11 1000 2 3 2 2

(b) done in part (a).