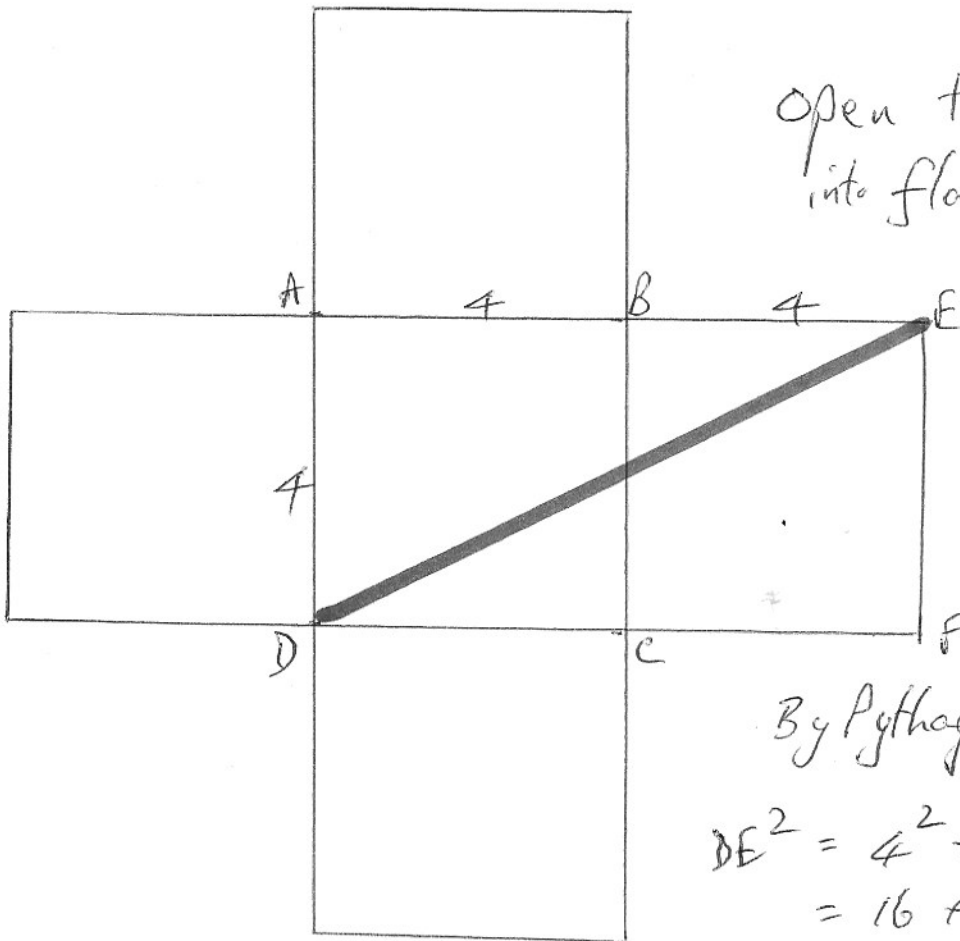


Open the box
into flat sheet



DE is
shortest
route

By Pythagoras

$$\begin{aligned} DE^2 &= 4^2 + 8^2 \\ &= 16 + 64 = 80 \\ \therefore DE &= \sqrt{80} = 8.94 \end{aligned}$$