

# INTERSECTIONS - SQUARE PRISMS

HELPFUL LINK: [https://technologystudent.com/despro\\_3/inter1.html](https://technologystudent.com/despro_3/inter1.html)

HELPFUL LINK

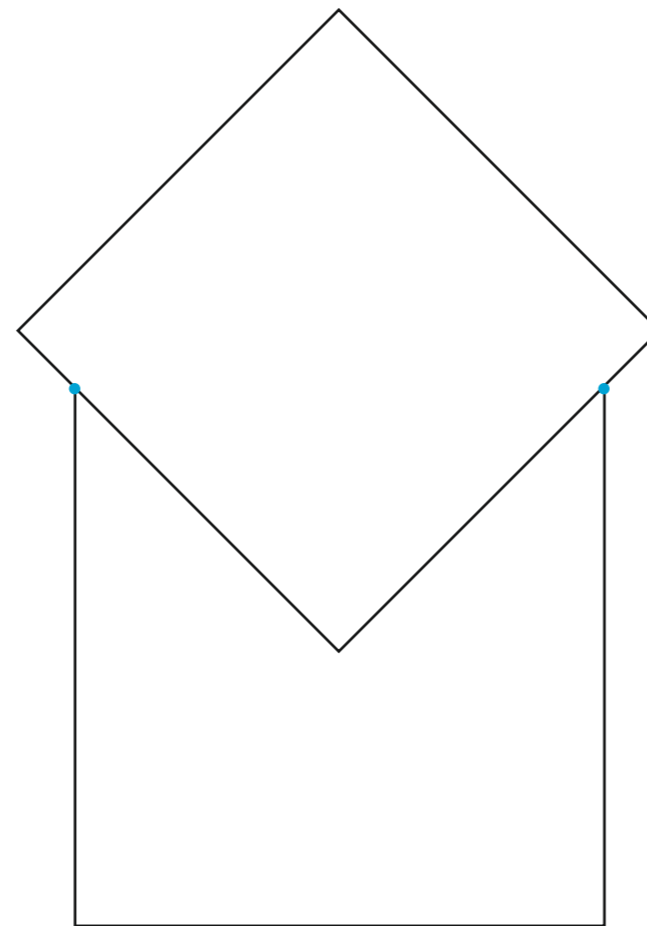
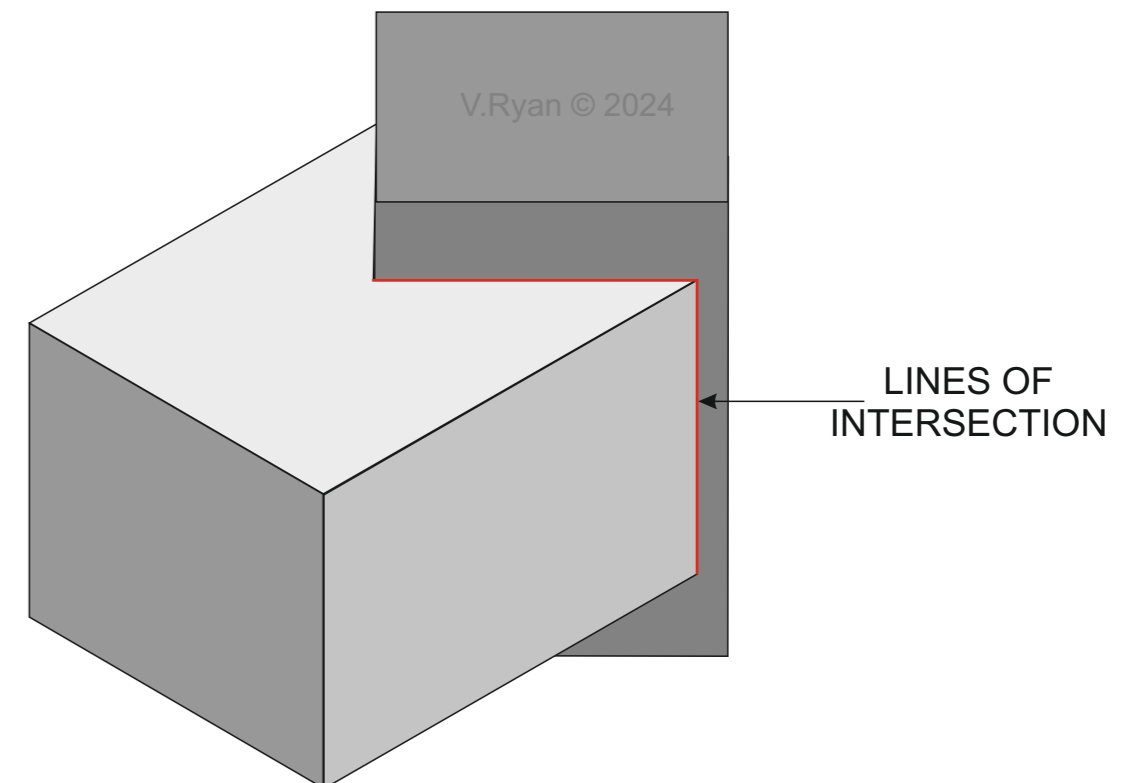


When two 'prisms' intersect, a line or lines of intersection' are created. These are clearly visible on an orthographic and 3D drawing.

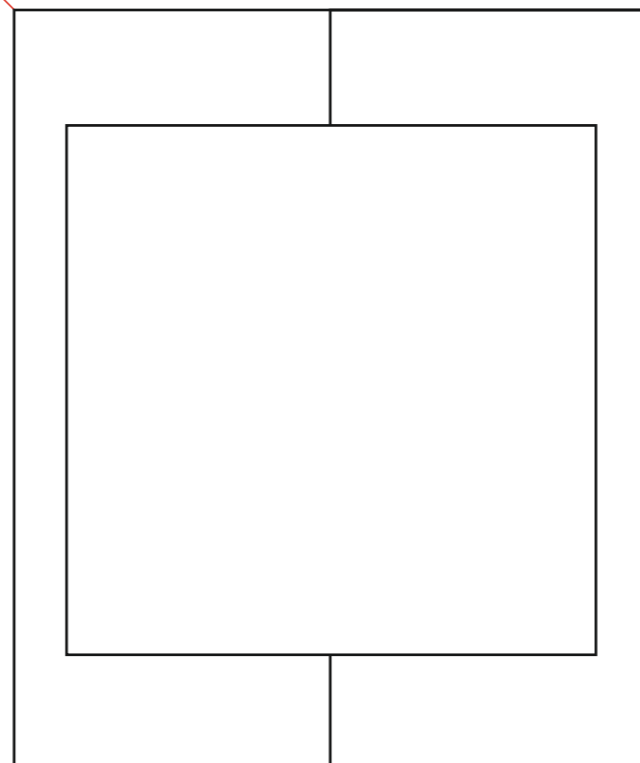
## QUESTION

DRAW THE SIDE VIEW OF THE TWO INTERSECTING RECTANGULAR PRISMS. CLEARLY SHOW THE LINE(S) OF INTERSECTION.

## 3D VERSION



PLAN VIEW



FRONT VIEW

SIDE VIEW

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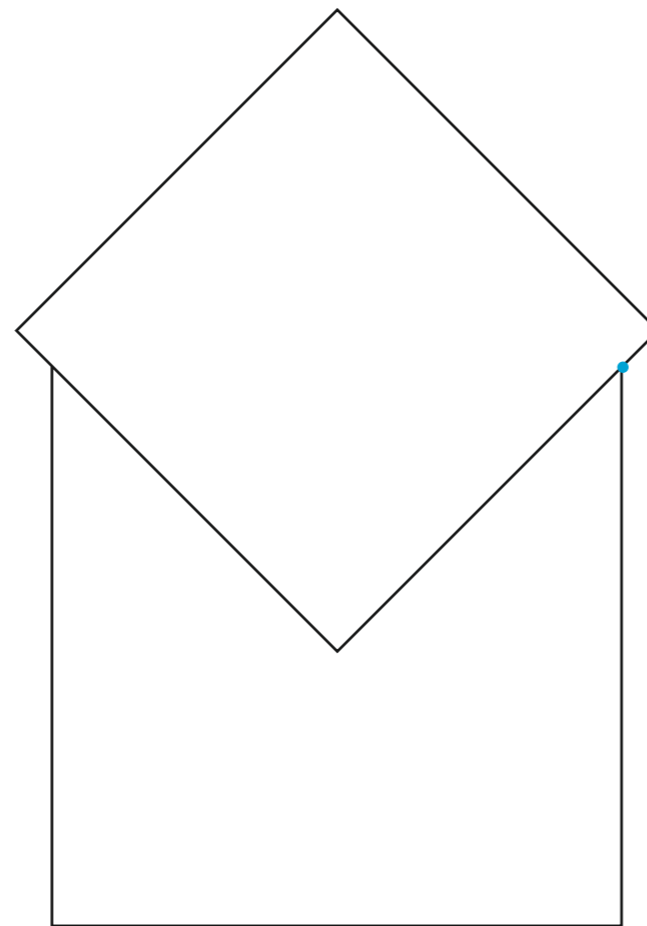
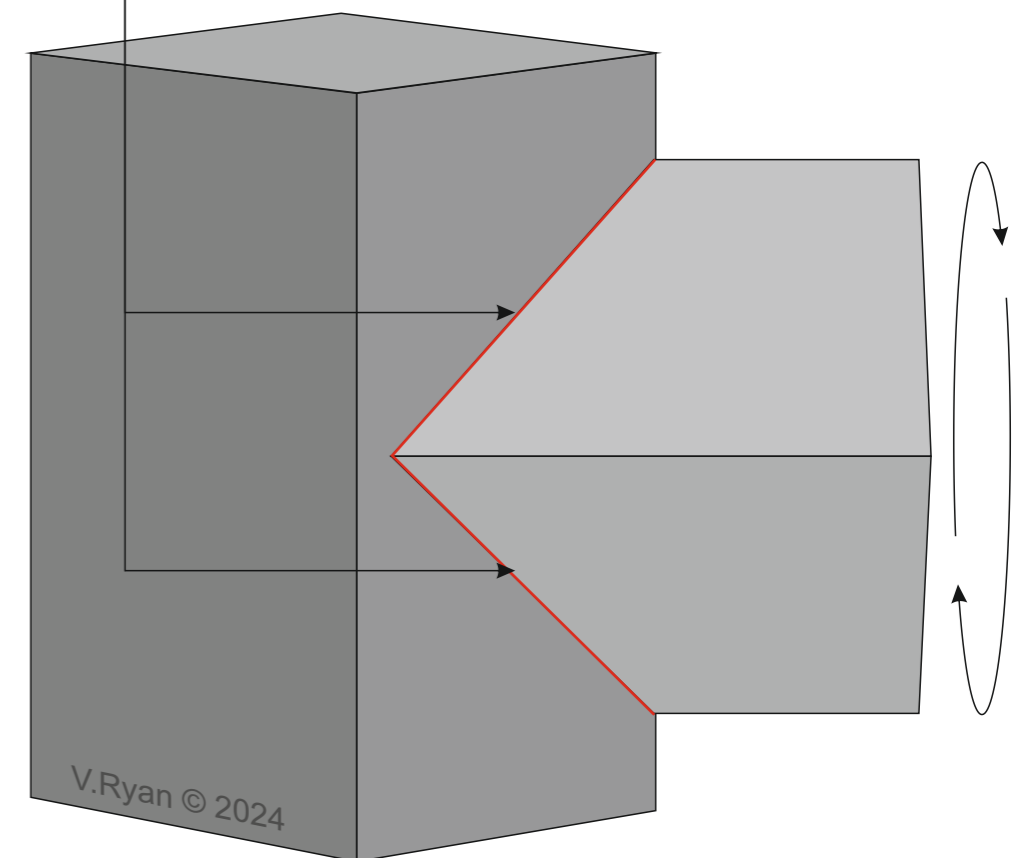
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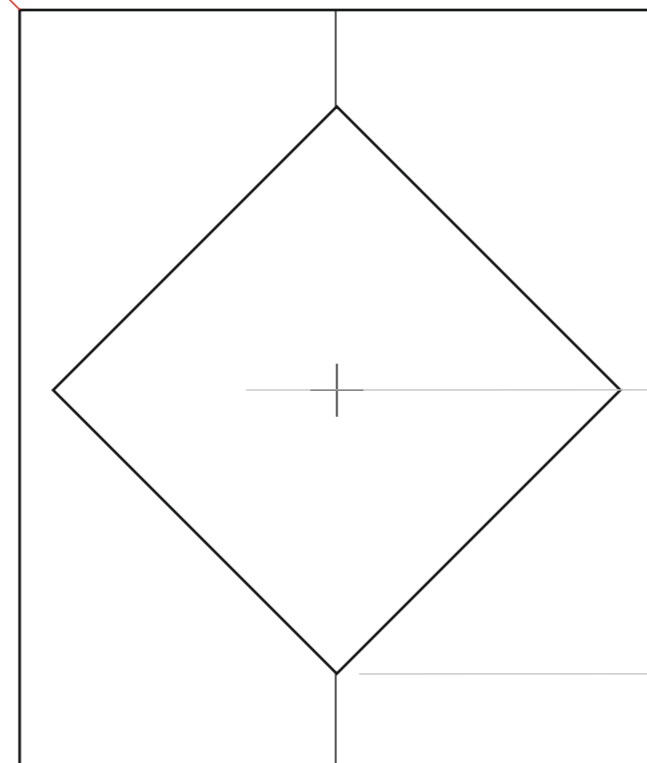
## 3D VERSION

**NOTE:** IN THIS QUESTION THE SQUARE PRISM HAS BEEN ROTATED BY 45 DEGREES

LINES OF INTERSECTION



PLAN VIEW



FRONT VIEW

SIDE VIEW