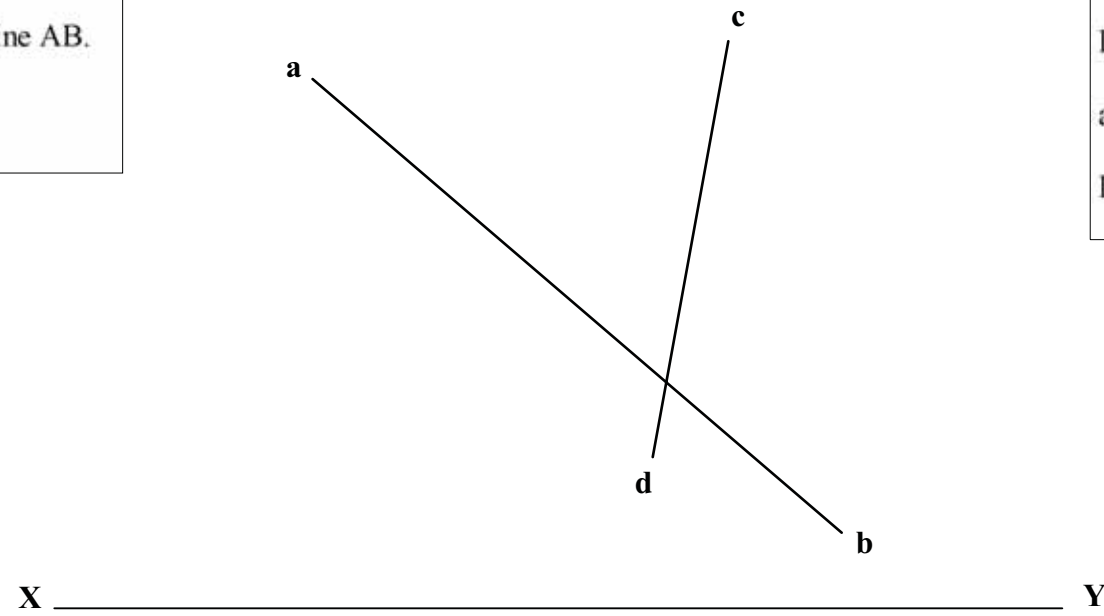


The projections of two **skew lines** AB and CD are shown.

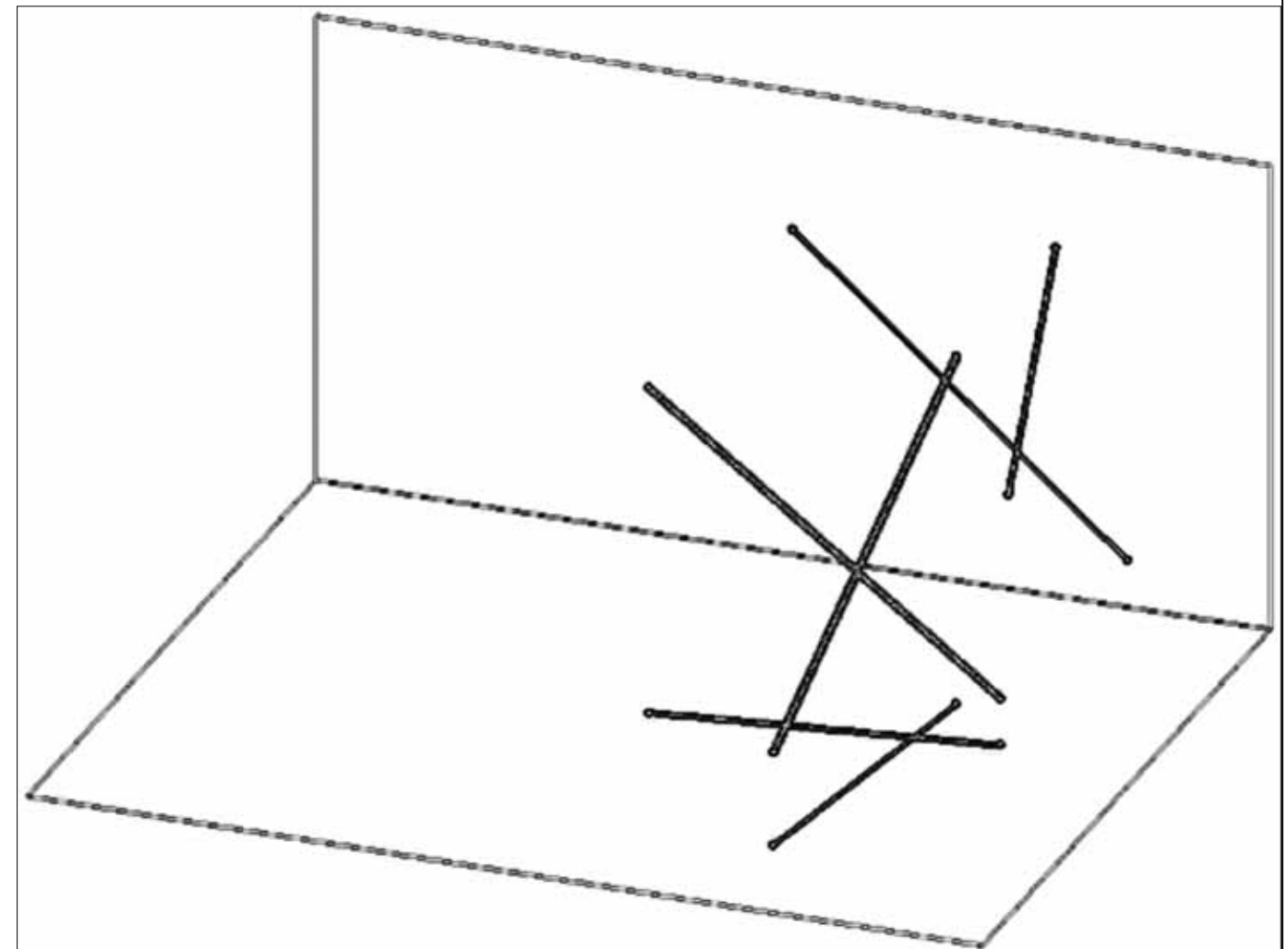
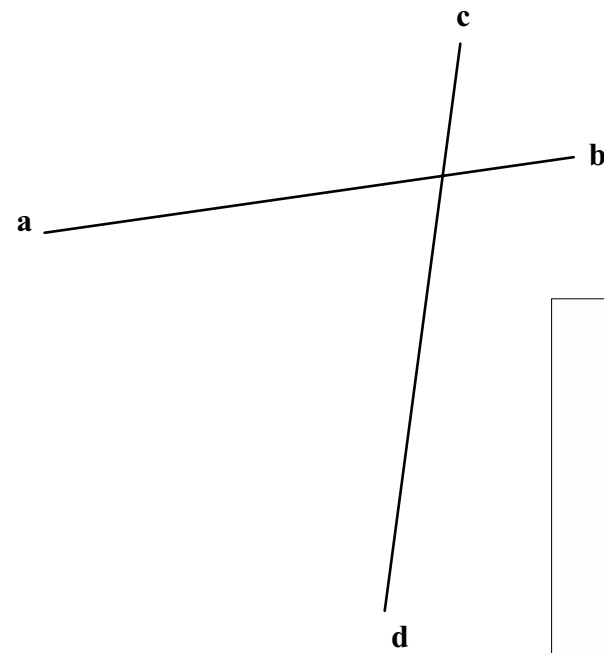
- (a) Find a plane containing the line CD and parallel to the line AB.
- (b) Prove that the plane is parallel to the line.



**Key Principles**

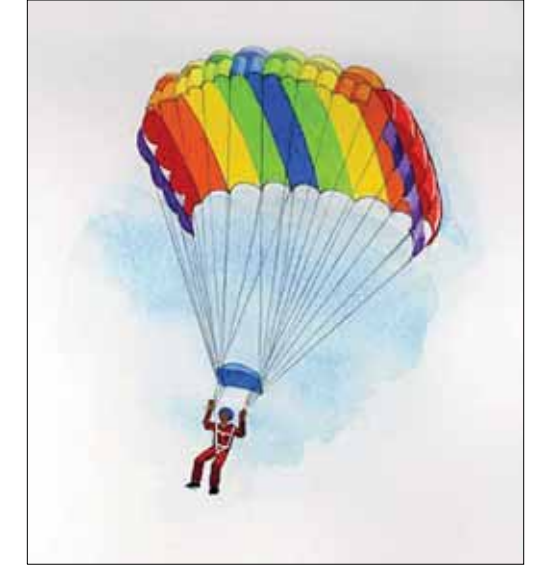
Parallel lines remain parallel in every view except in the views in which they appear as ..... or where one line is behind the other.

If a line is parallel to any line in the plane, it is parallel to the .....



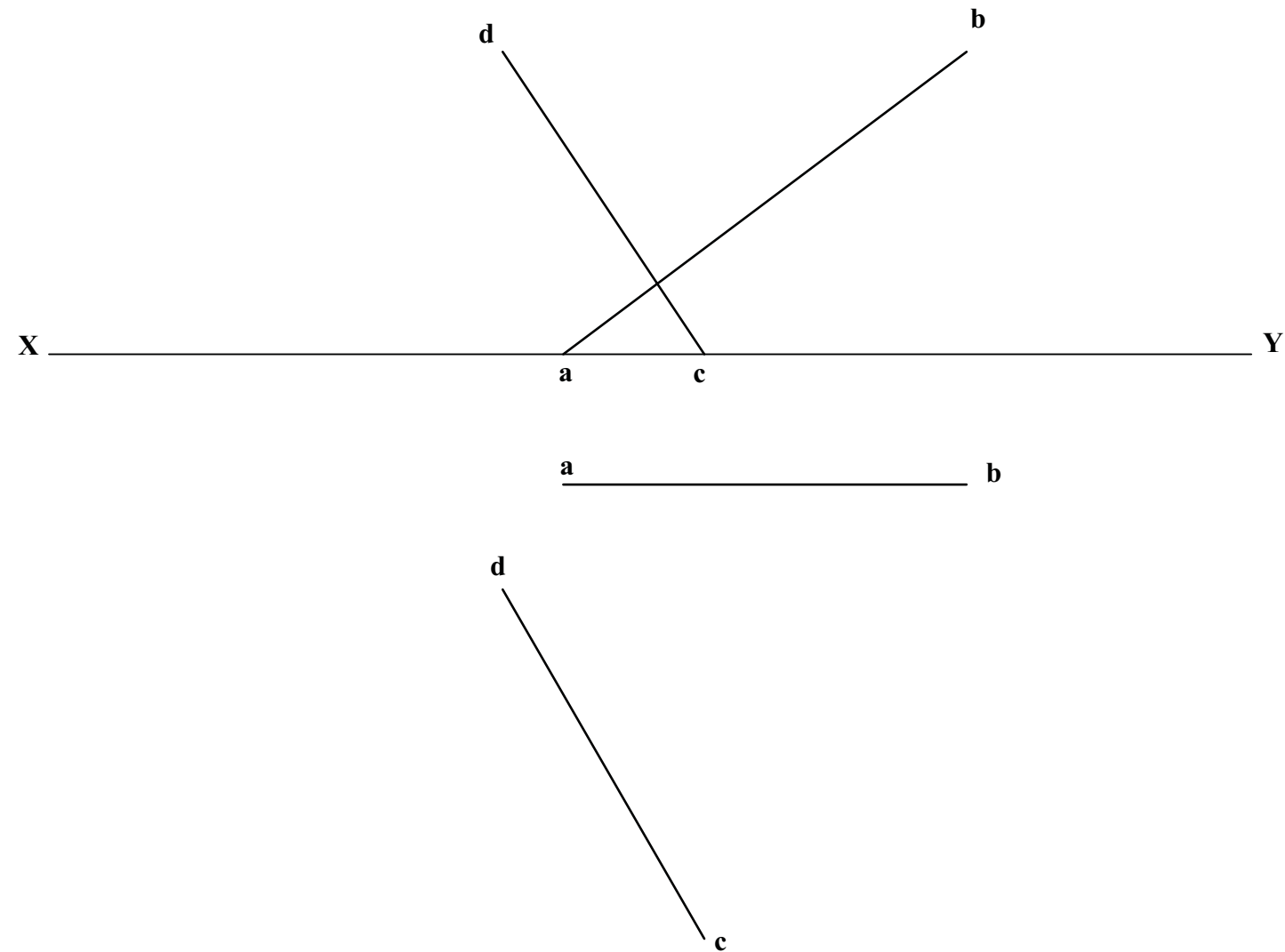
The directions of two parachute jumpers landing are represented by the two **skew lines** AB and CD.

- (a) Determine the **shortest distance** between the two skew lines.
- (b) Determine the projections of this shortest distance.



**Key Principle**

A plane is drawn containing one of the lines and having a line on it parallel to the other line.



The directions of two javelins are represented by the two **skew lines** AB and CD. The projections of the shortest distance between them are given.

Determine the projections of the **shortest horizontal distance** between them.



**Key Principle**

A plane is drawn containing one of the lines and having a line on it parallel to the other line.

