



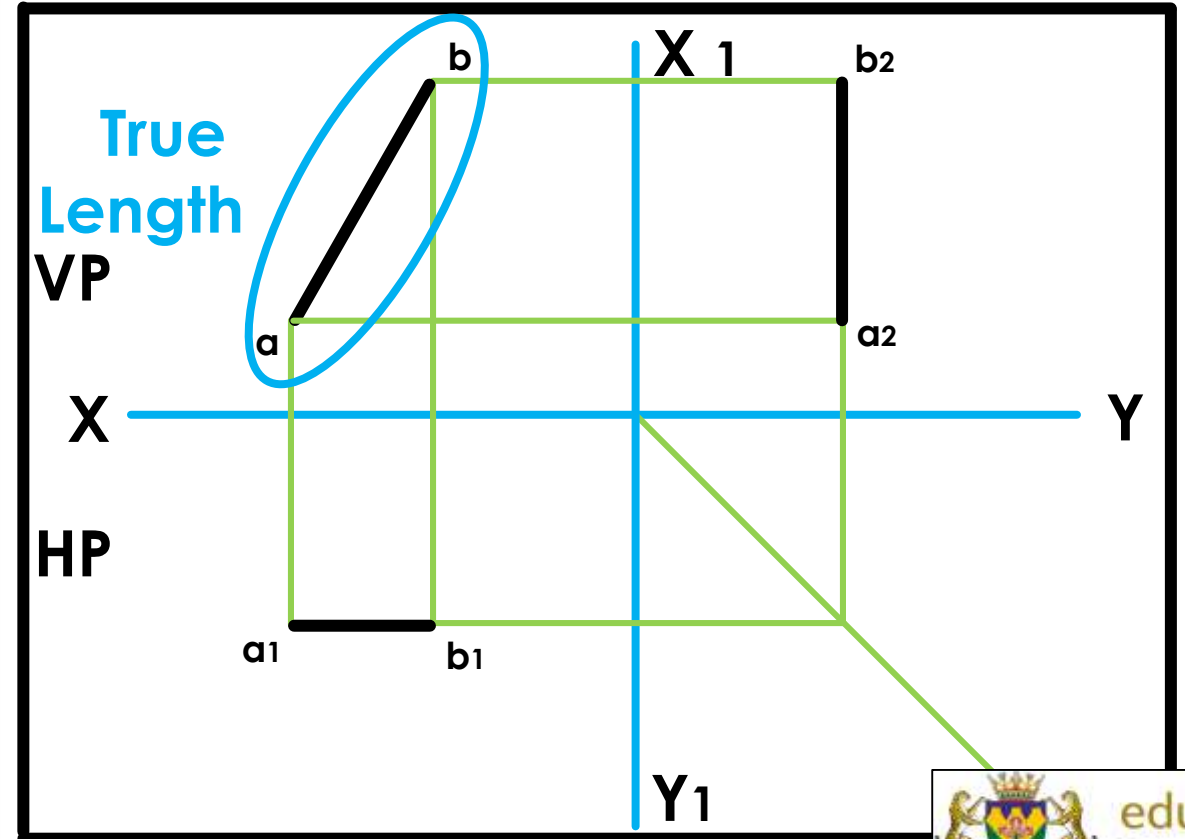
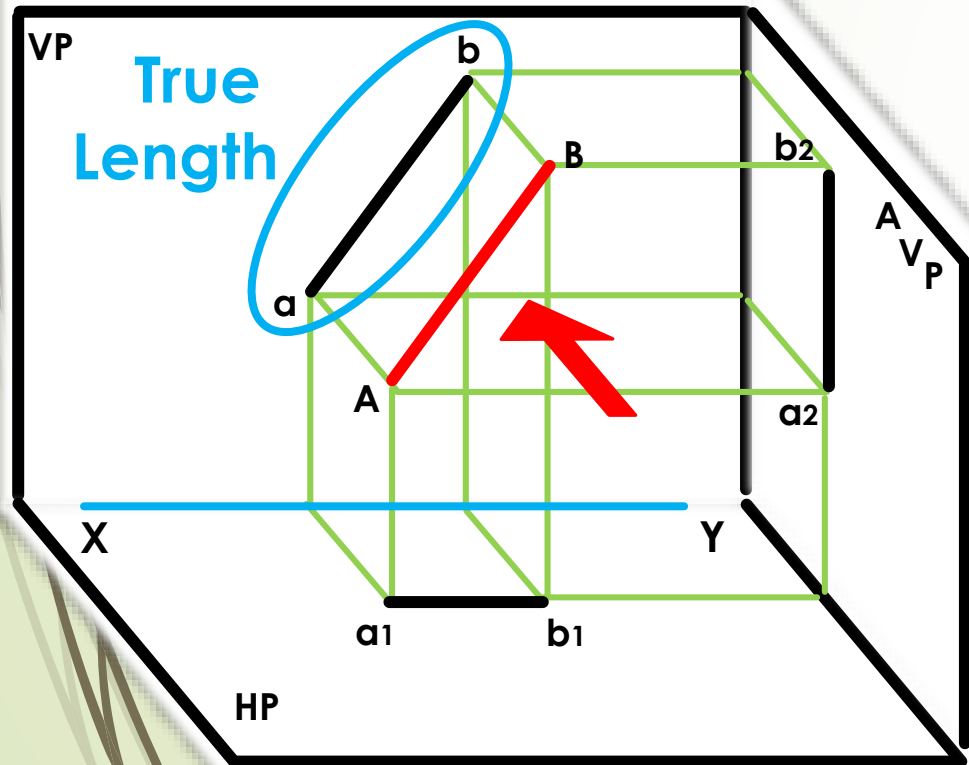
DESCRIPTIVE GEOMETRY

Drawing Principles

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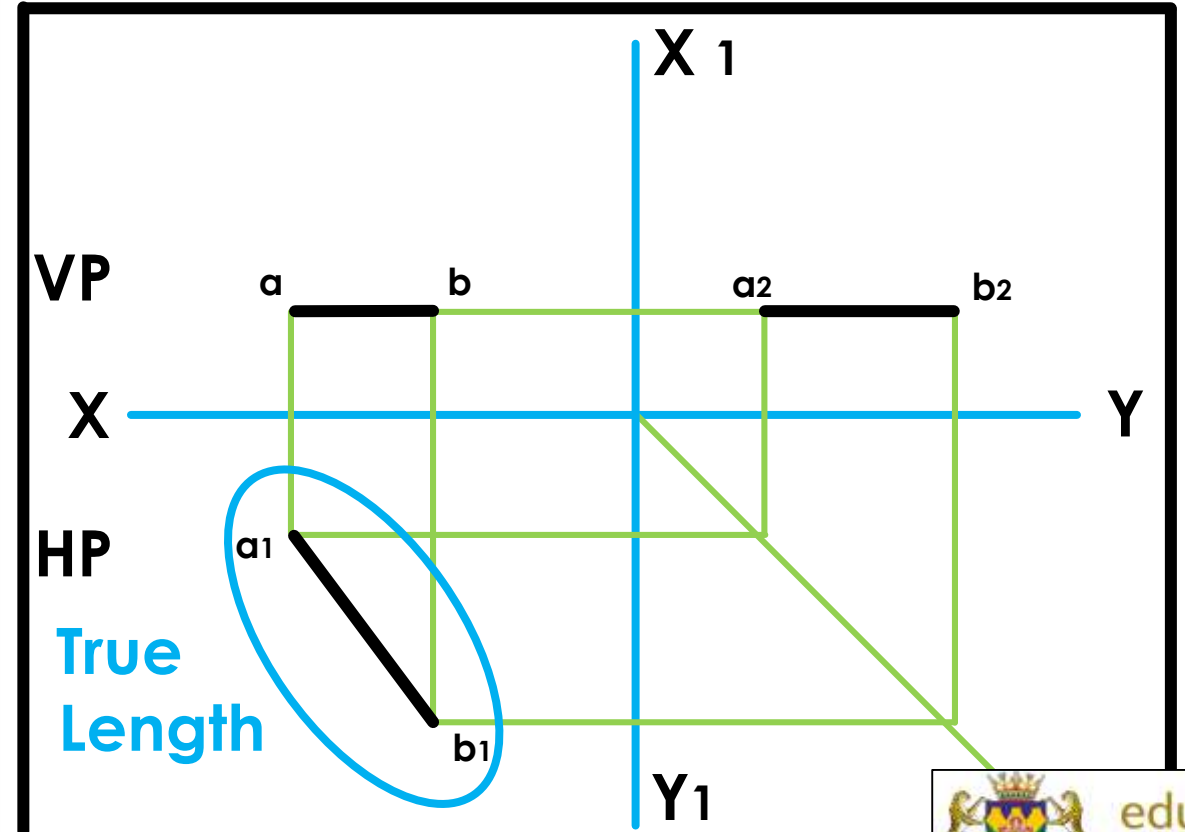
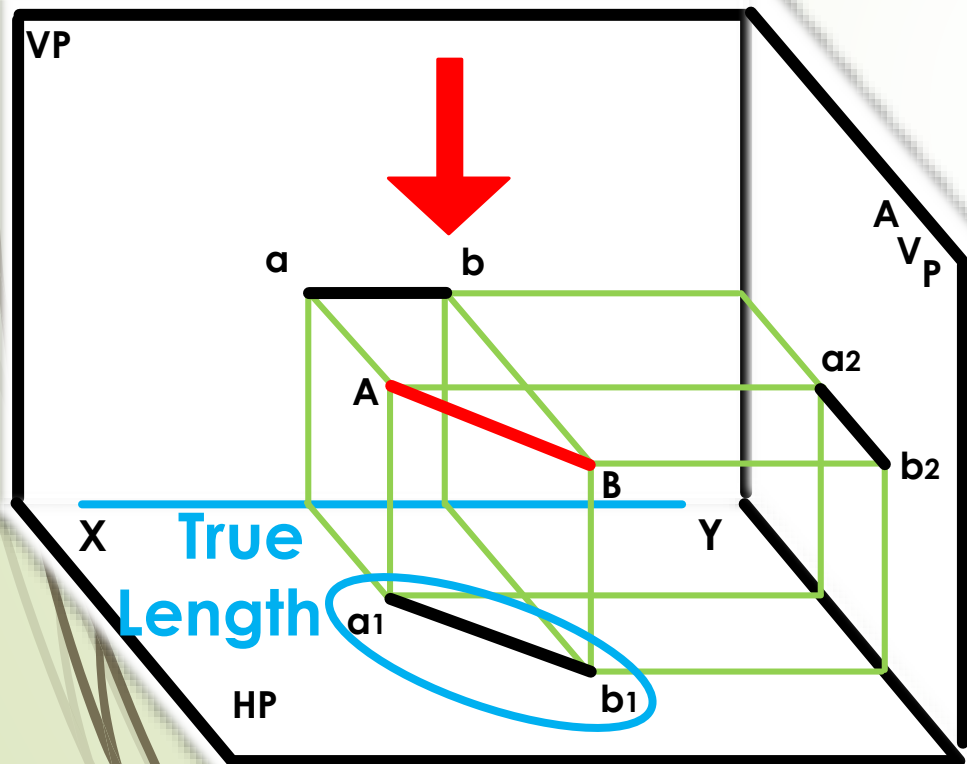
DESCRIPTIVE GEOMETRY

- ➔ If a line is viewed at 90° and is parallel to the XY the view casted on that projection plane will be the true length.



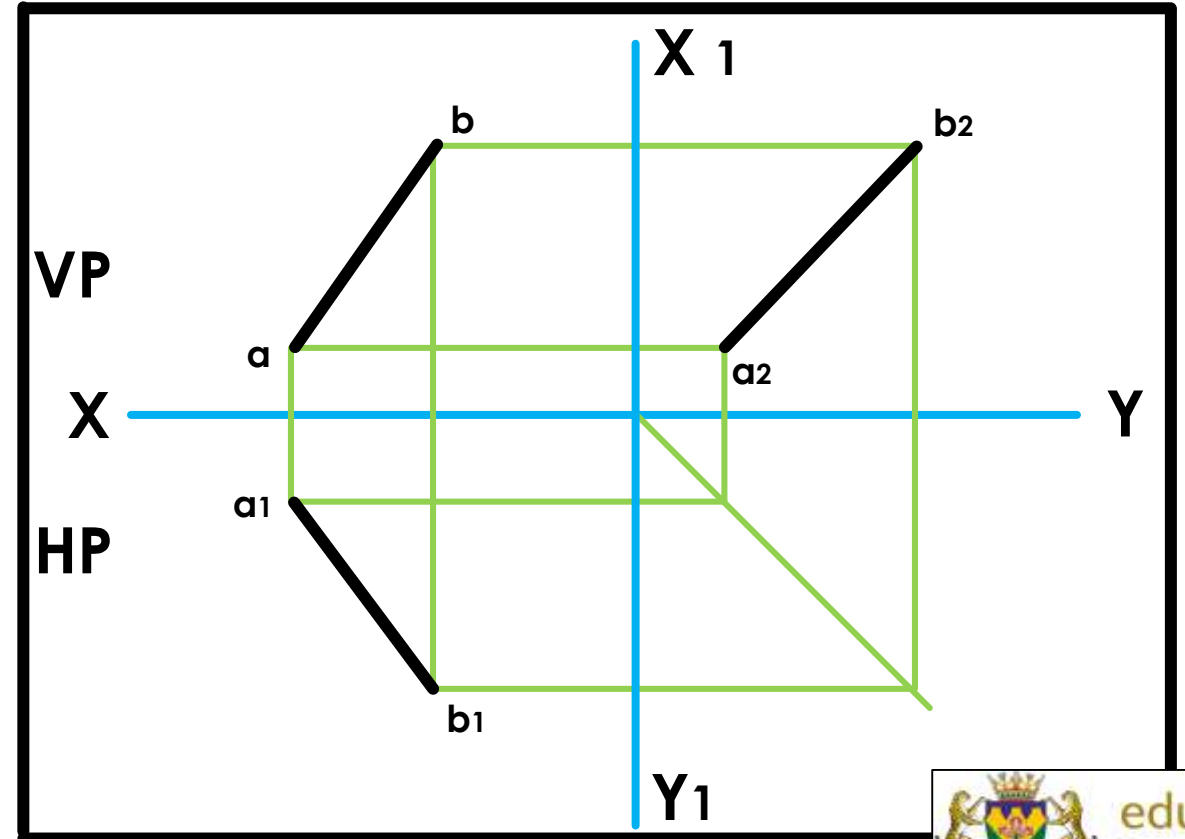
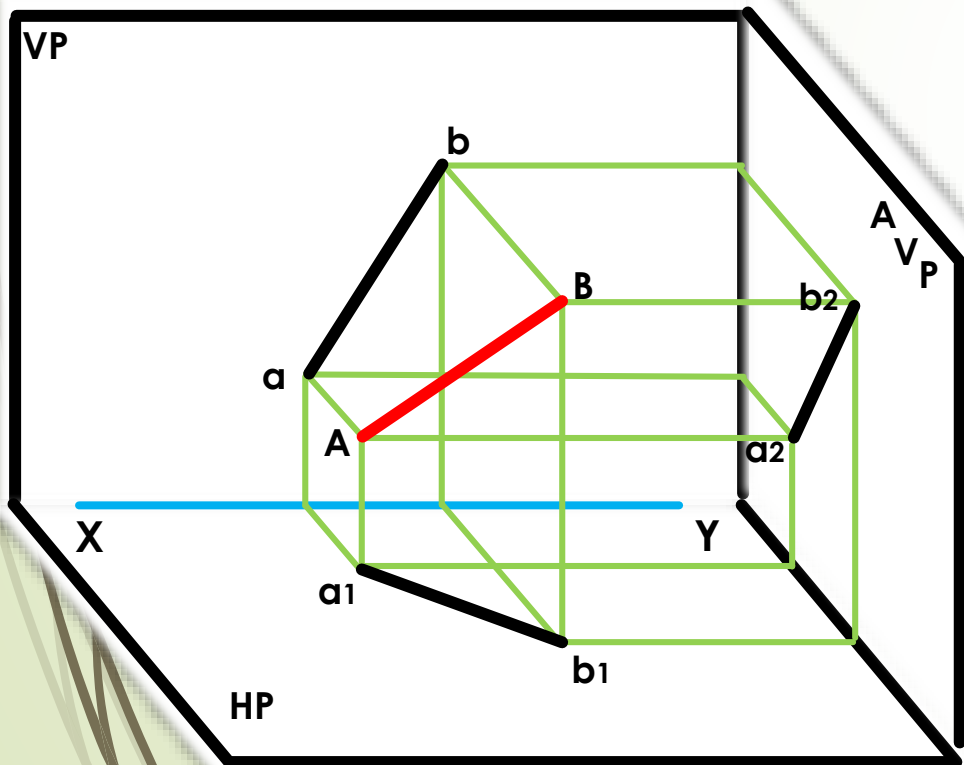
DESCRIPTIVE GEOMETRY

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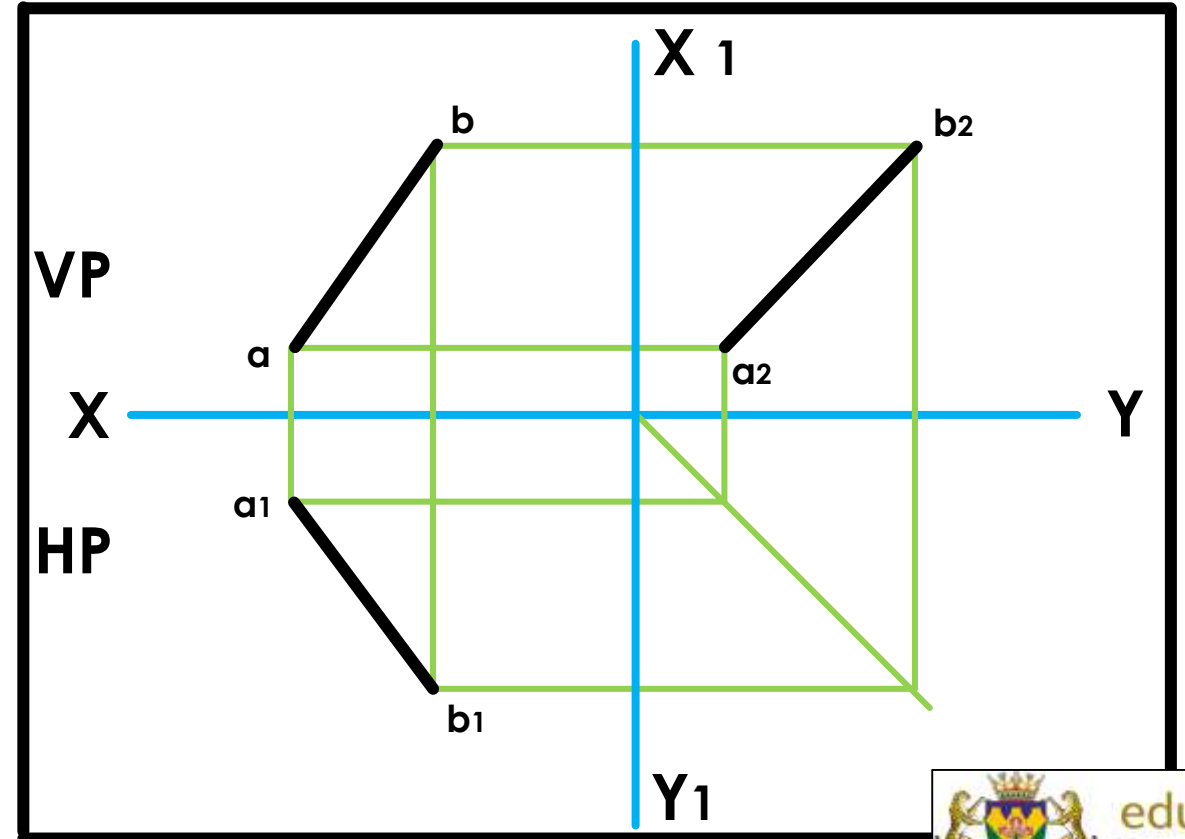
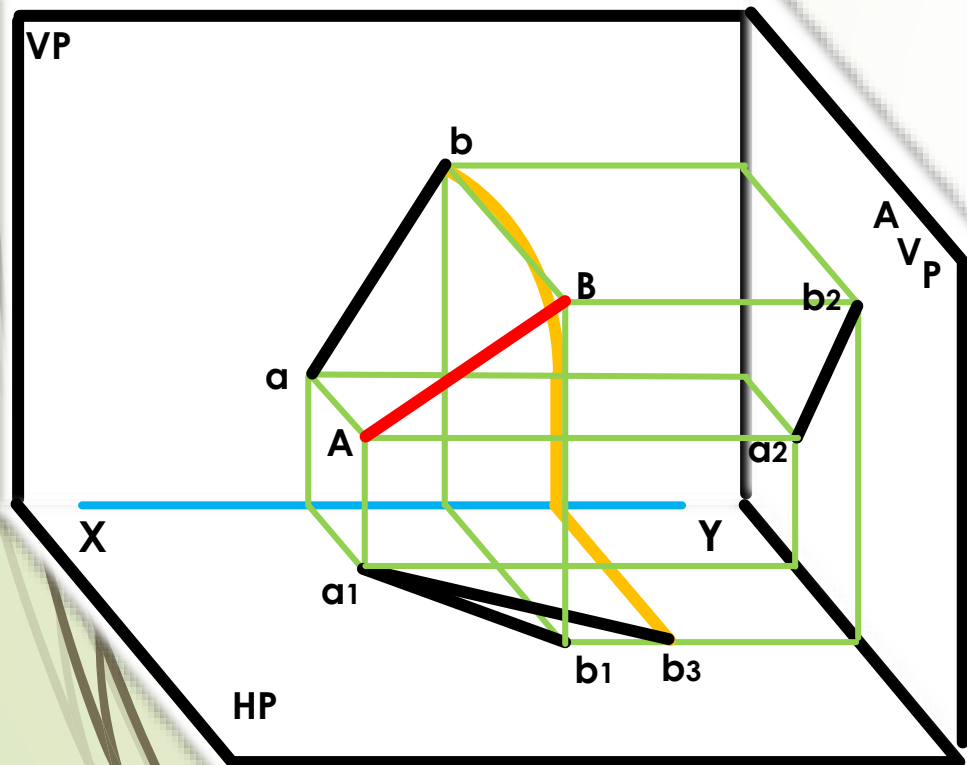
DESCRIPTIVE GEOMETRY

- How to develop, by means of **construction**, the true length of a line if the line is not parallel with any projection planes?



DESCRIPTIVE GEOMETRY

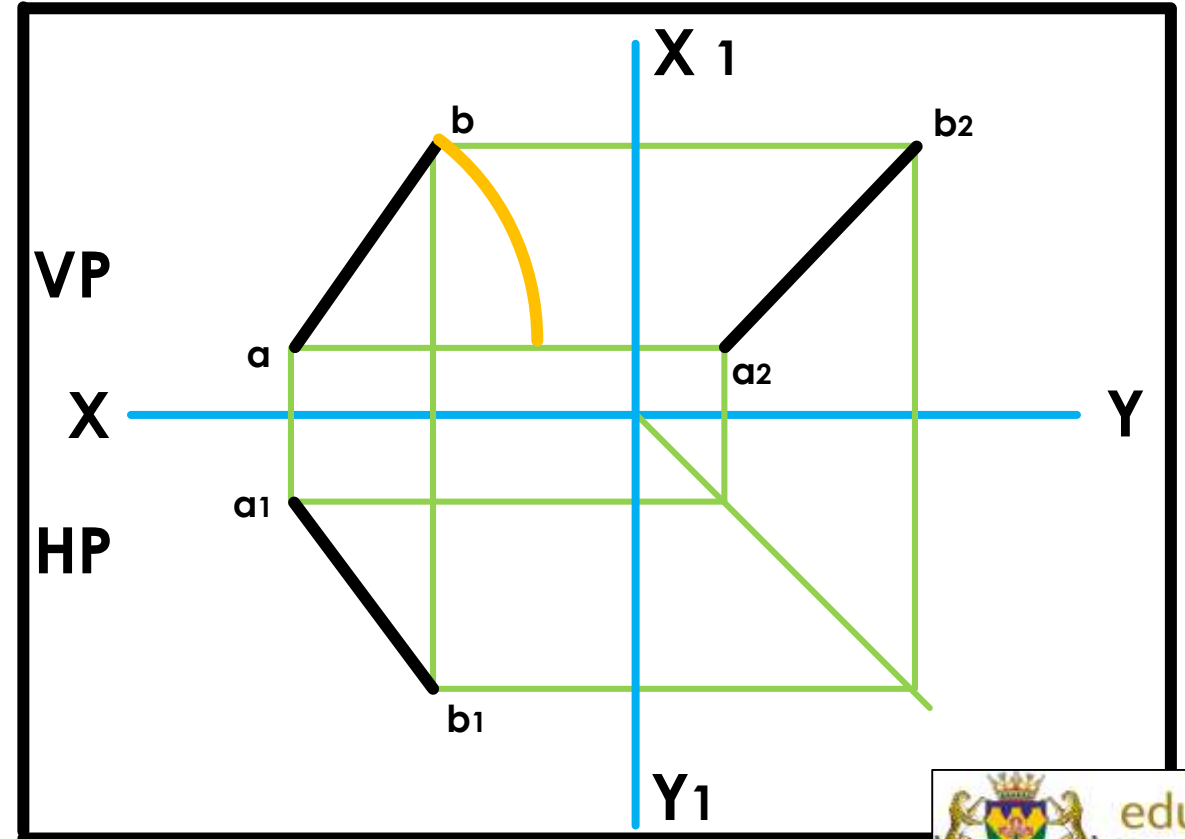
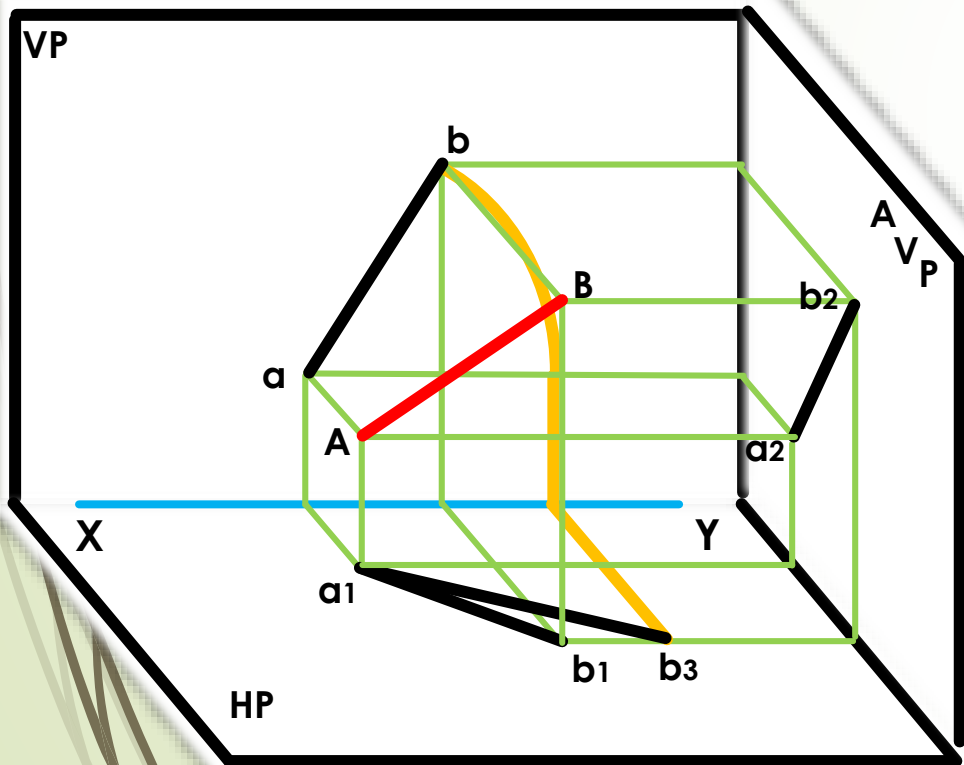
- ➔ **Constructing** form the **vertical plane** will determine the true length and the **vertical angle** (ϕ).



DESCRIPTIVE GEOMETRY

CONSTRUCTION
METHOD

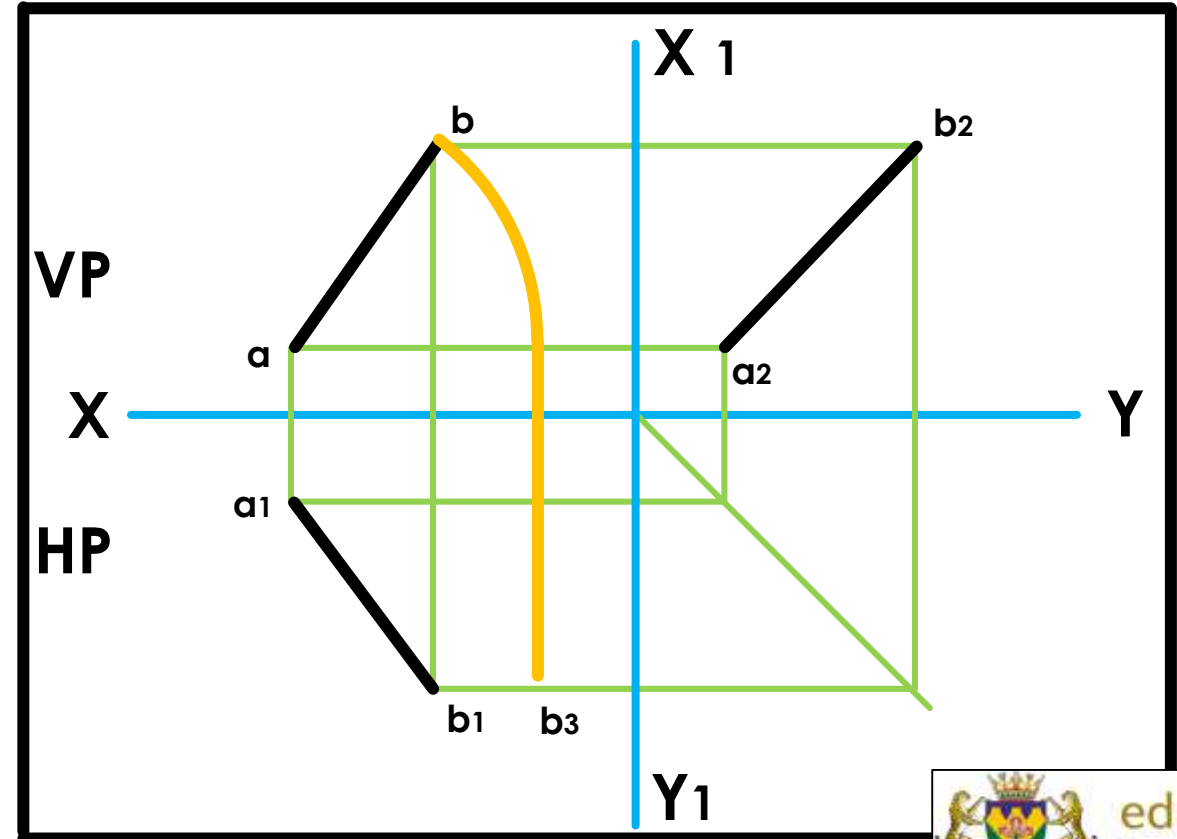
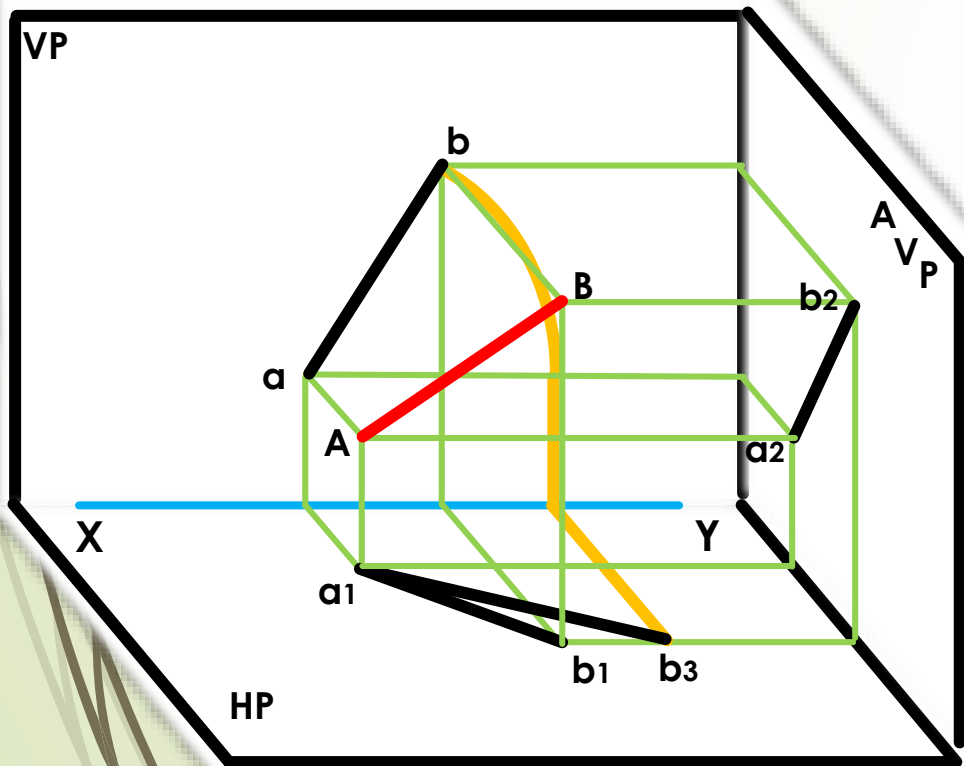
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DESCRIPTIVE GEOMETRY

CONSTRUCTION
METHOD

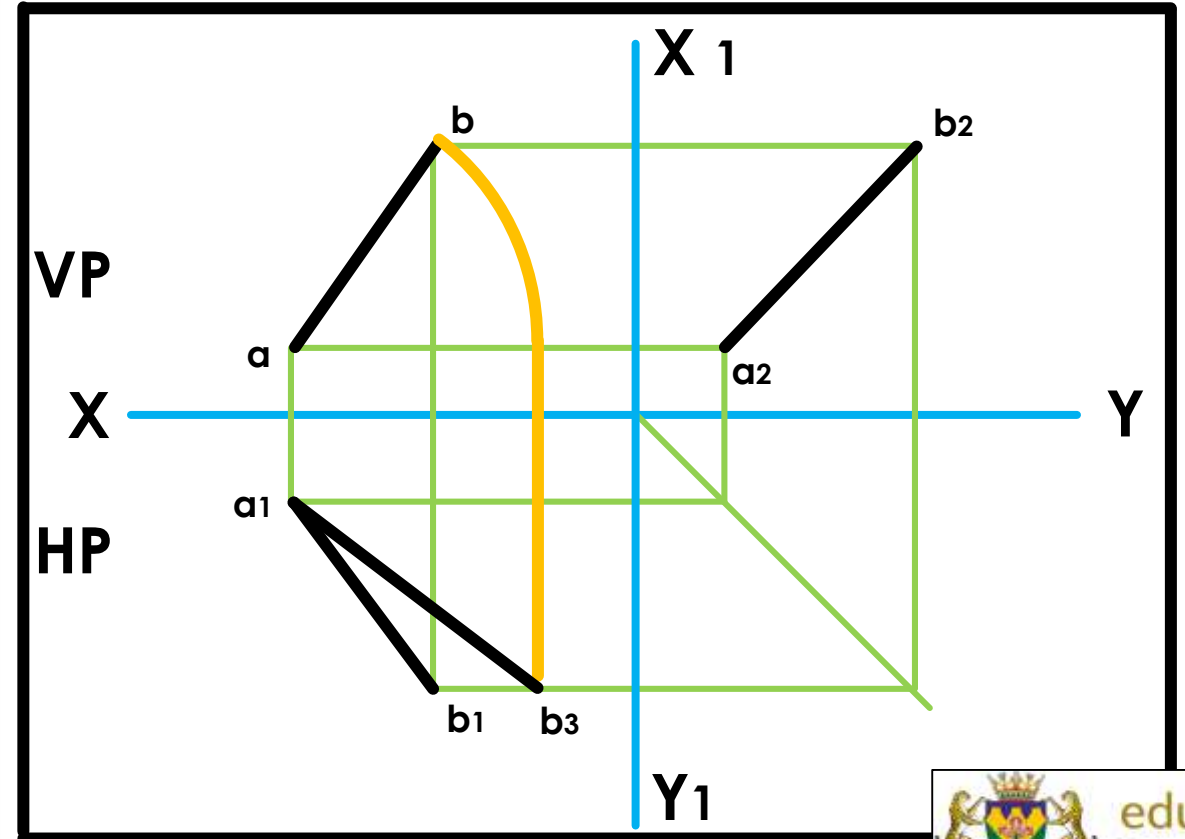
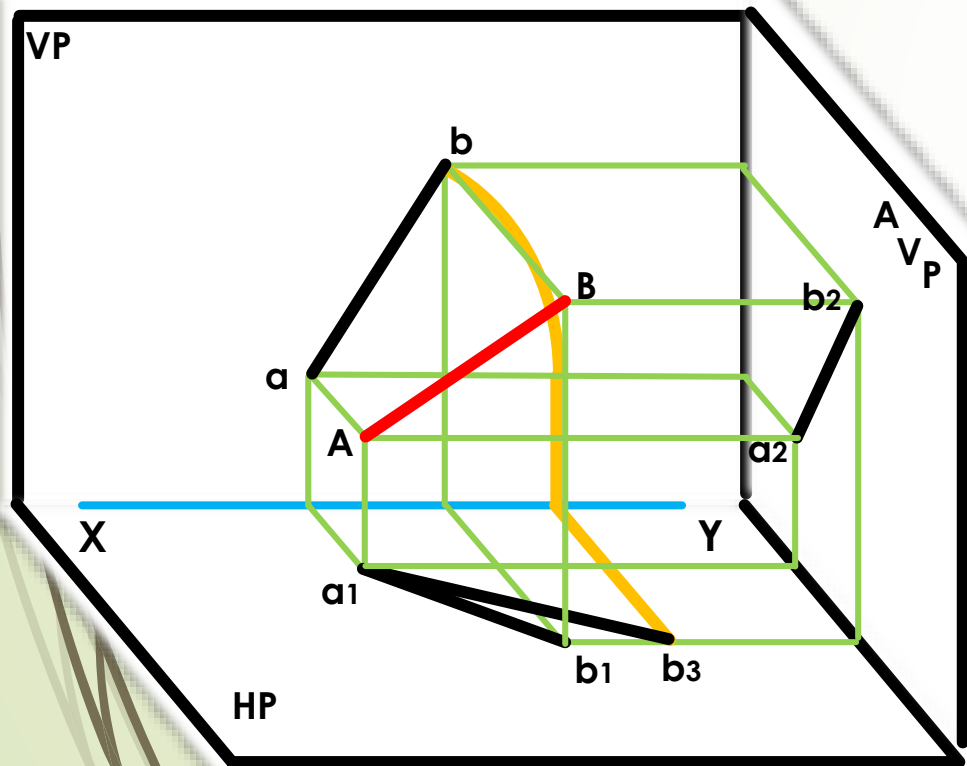
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DESCRIPTIVE GEOMETRY

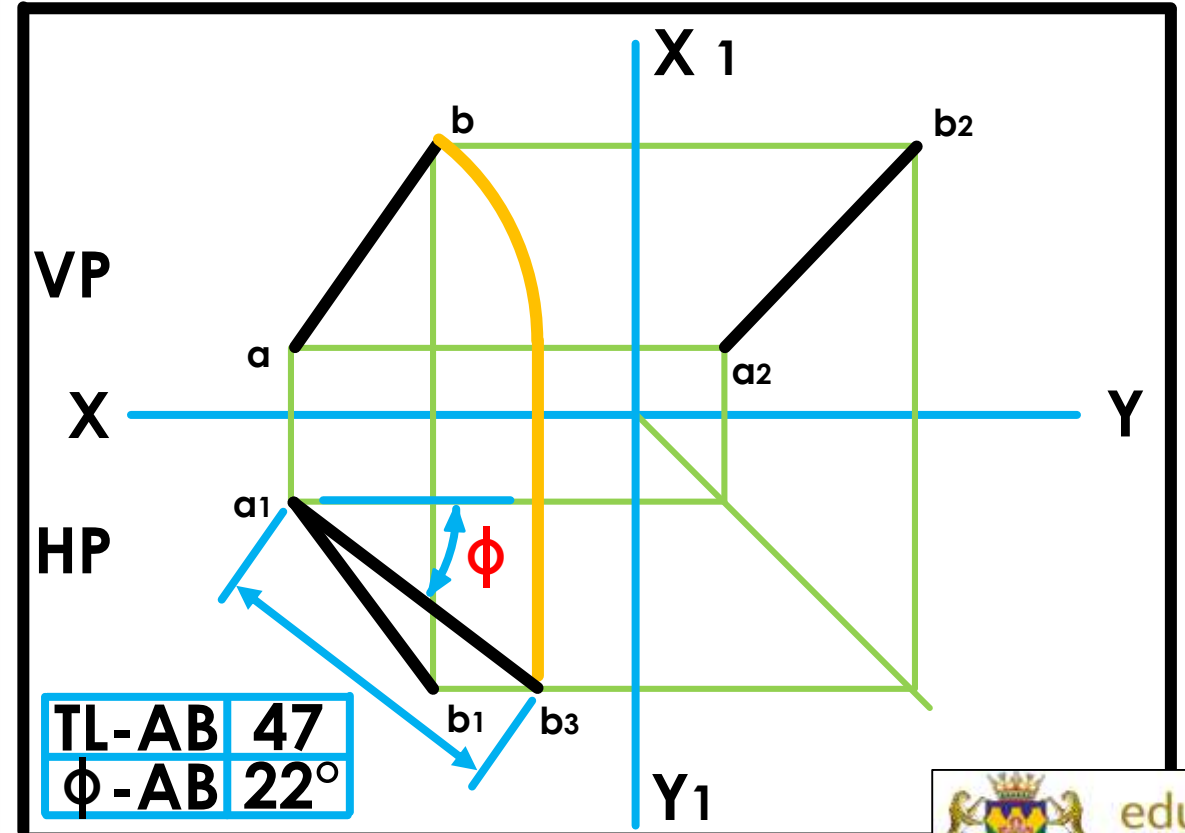
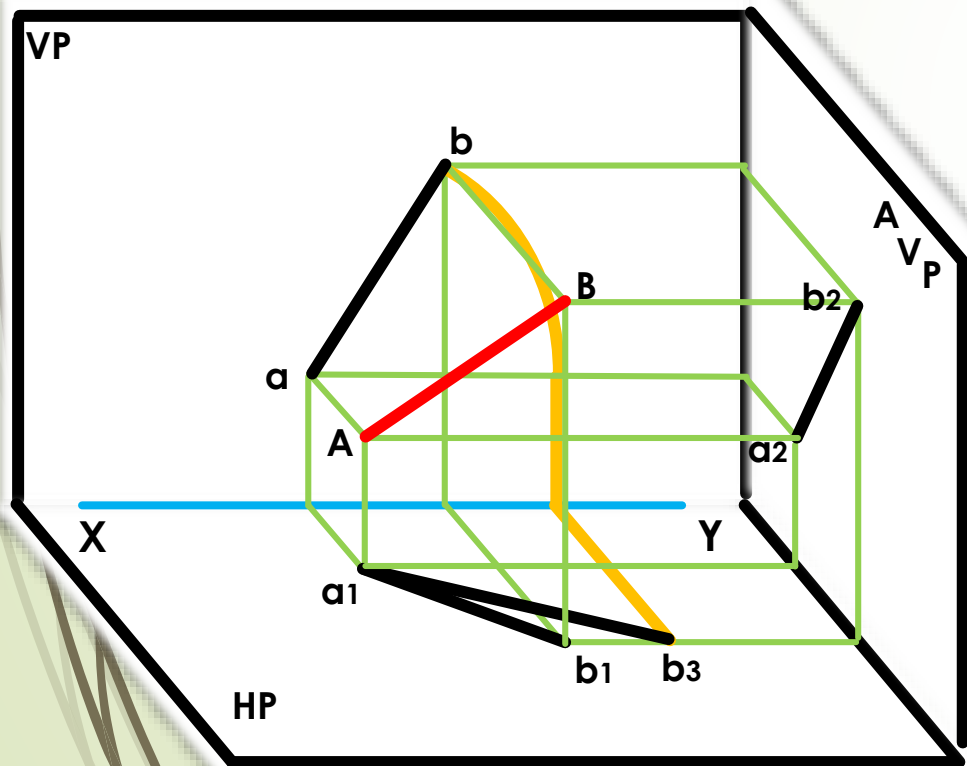
CONSTRUCTION
METHOD

- ➔ **Constructing** form the **vertical plane** will determine the true length and the **vertical angle** (ϕ).



DESCRIPTIVE GEOMETRY

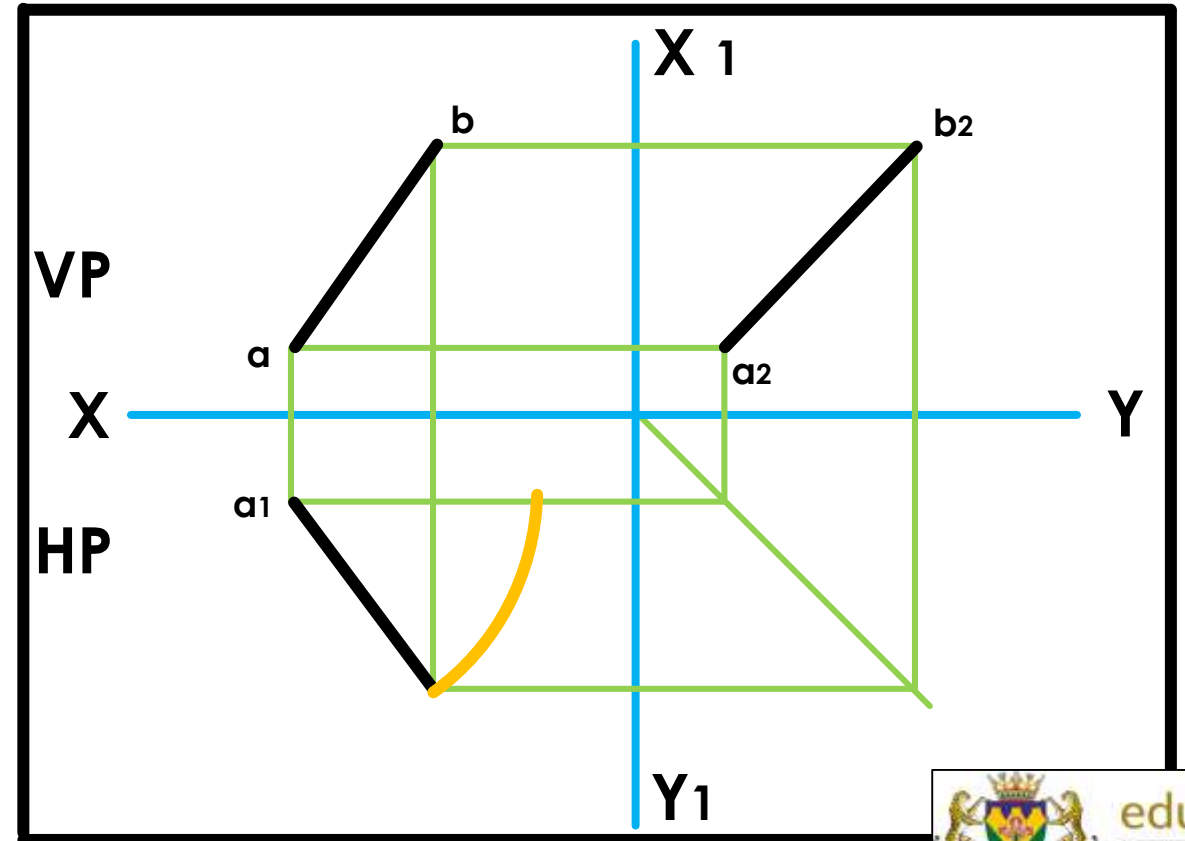
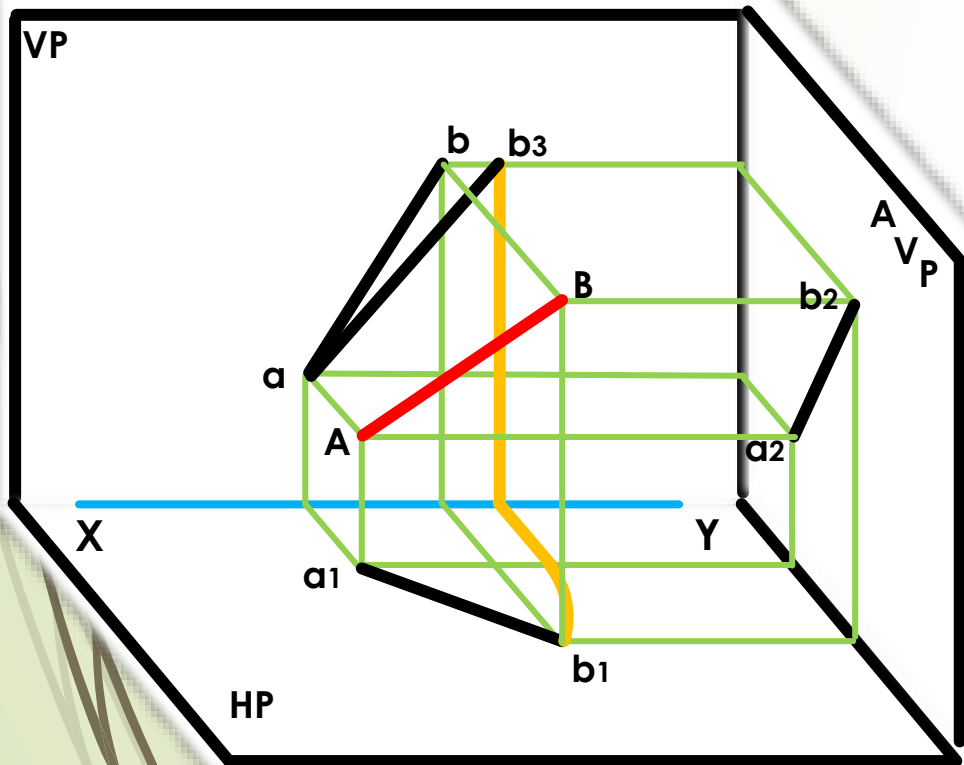
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DESCRIPTIVE GEOMETRY

CONSTRUCTION
METHOD

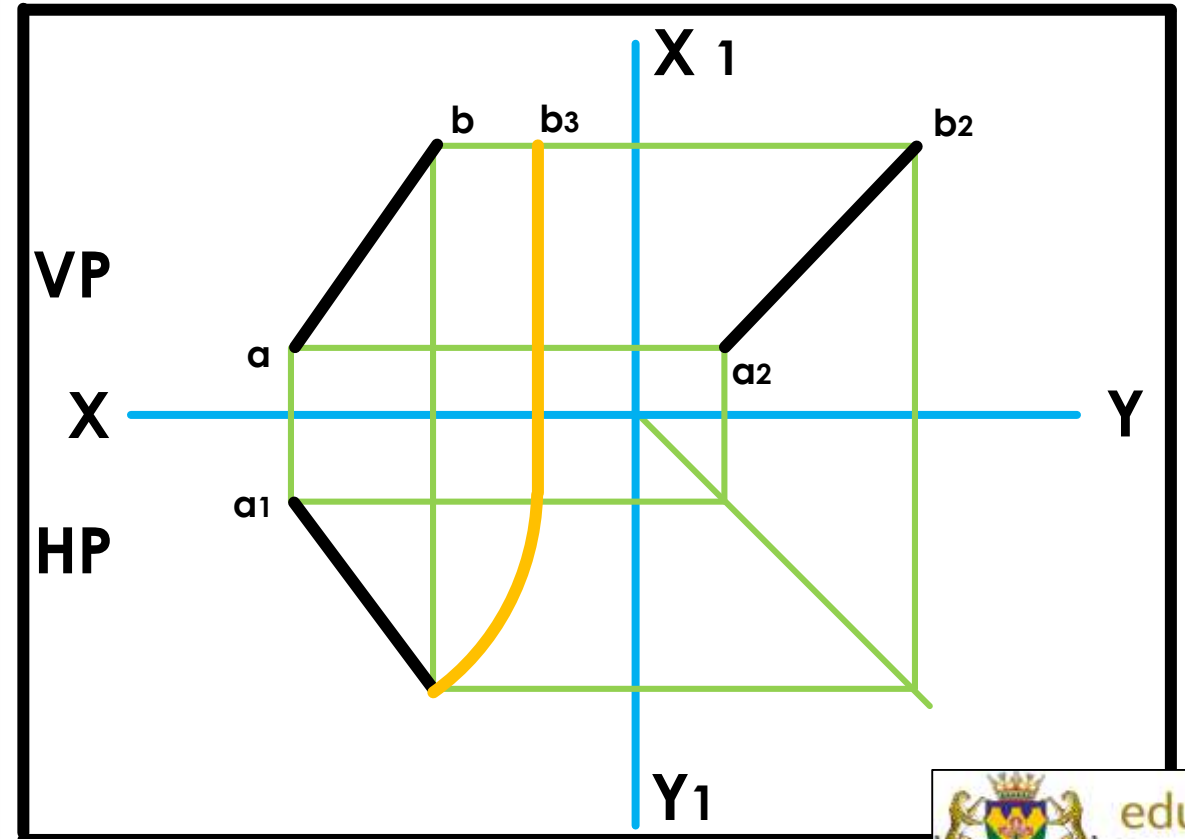
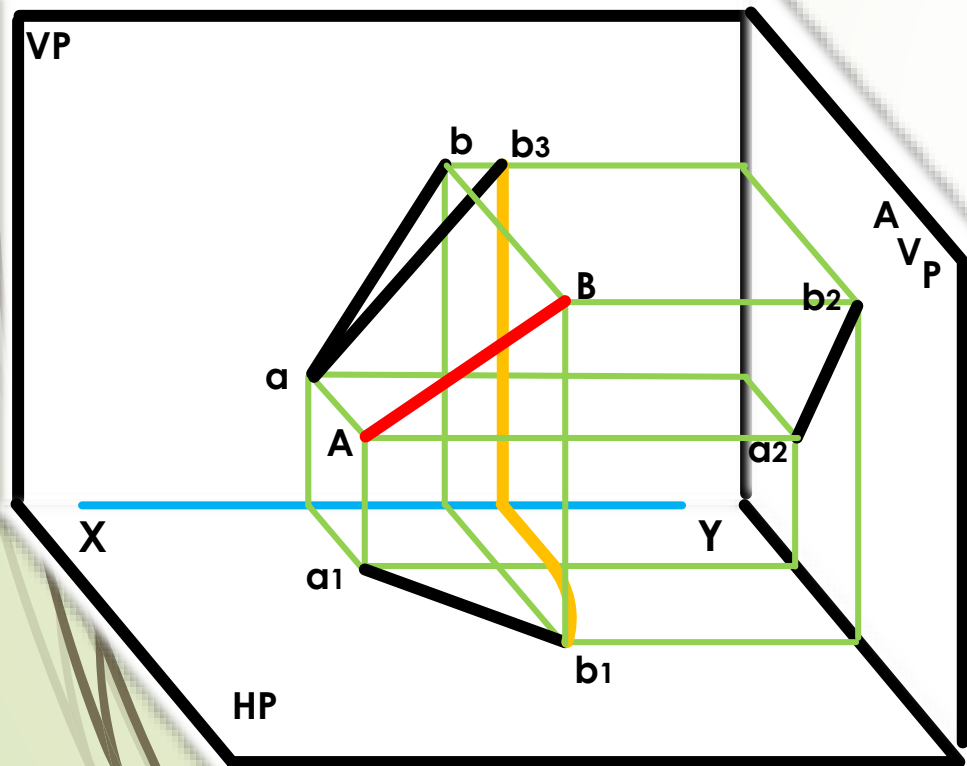
- ➔ **Constructing** form the **horizontal plane** will determine the true length and the **horizontal angle** (ϕ).



DESCRIPTIVE GEOMETRY

CONSTRUCTION
METHOD

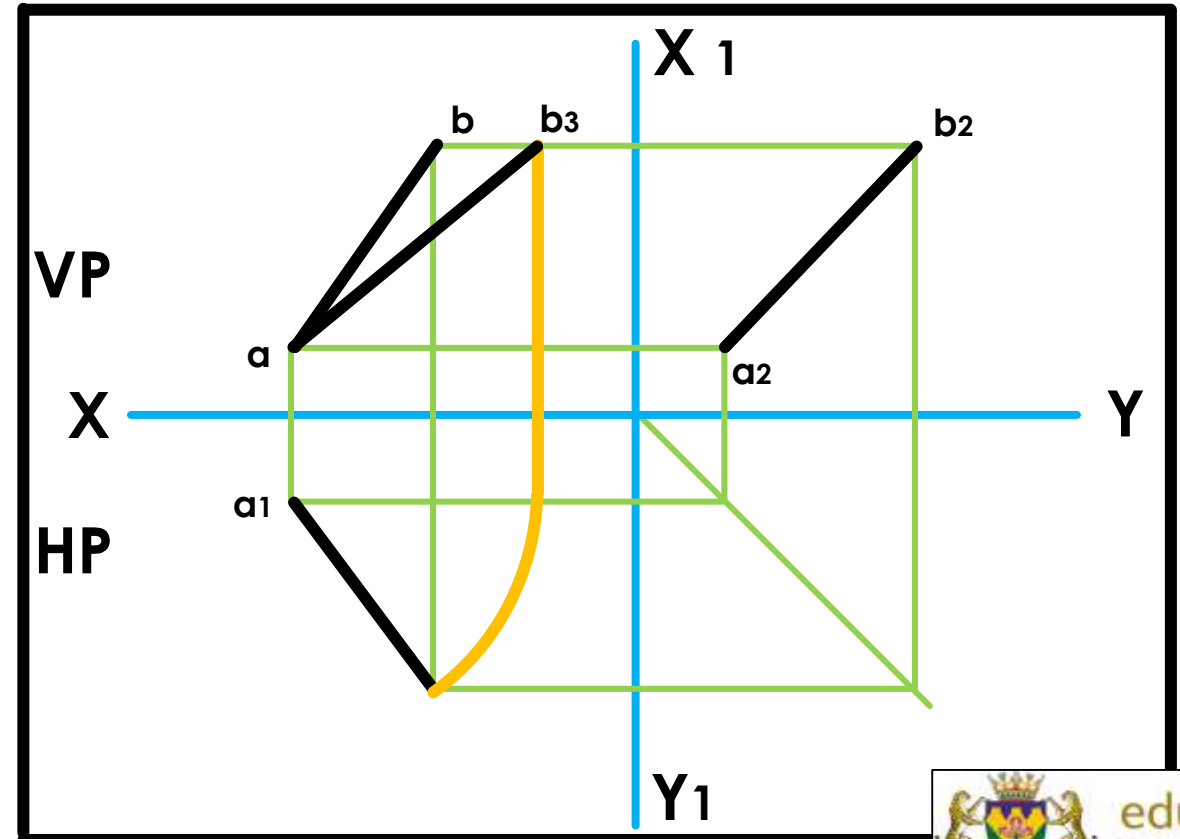
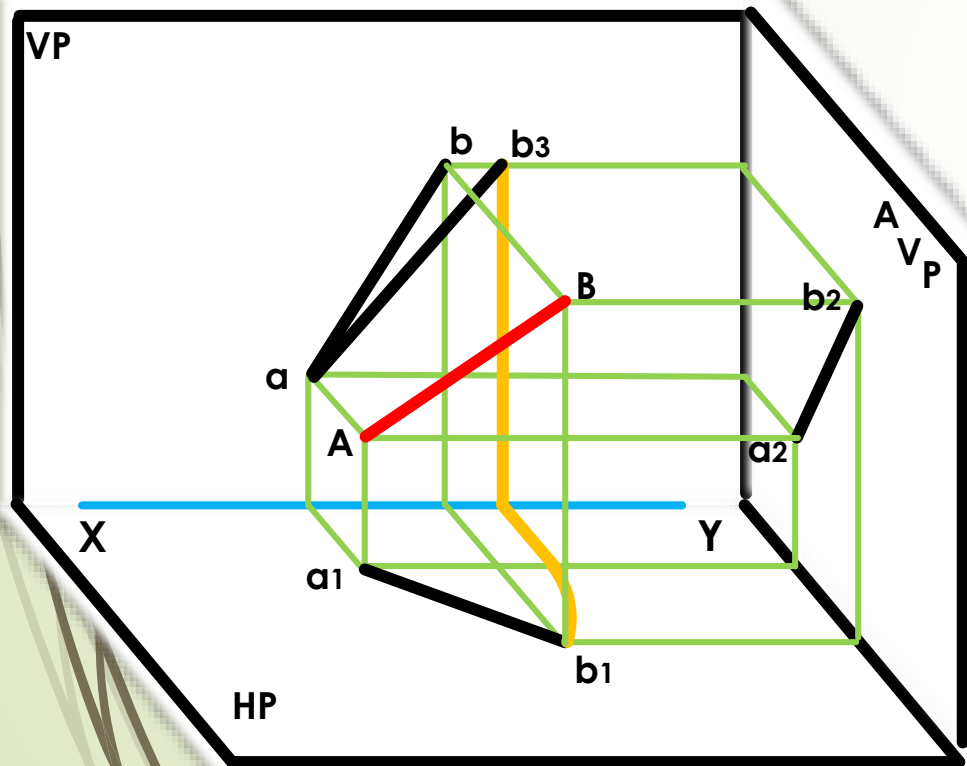
- ➔ Constructing from the horizontal plane will determine the true length and the horizontal angle (ϕ).



DESCRIPTIVE GEOMETRY

CONSTRUCTION
METHOD

- ➔ **Constructing** form the **horizontal plane** will determine the true length and the **horizontal angle** (ϕ).



DESCRIPTIVE GEOMETRY

- ➔ **Constructing** form the **horizontal plane** will determine the true length and the **horizontal angle** (\ominus).

