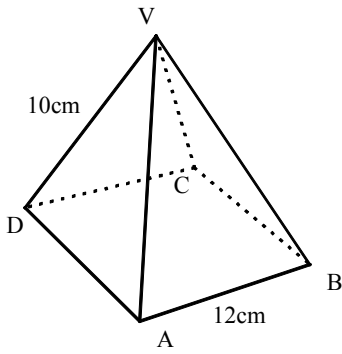
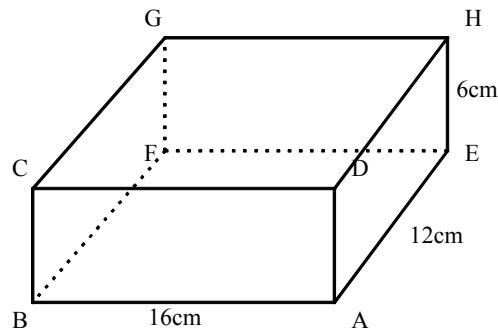


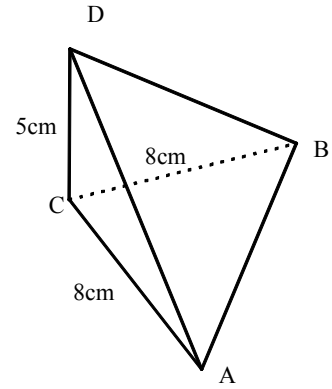
Three Dimensional Trigonometry



- 1) ABCDV is a square-based pyramid. $AB=12\text{cm}$ and $DV=10\text{cm}$. Find:
- the angle between the line AV and the plane ABCD.
 - the angle between the planes ABV and ABCD.

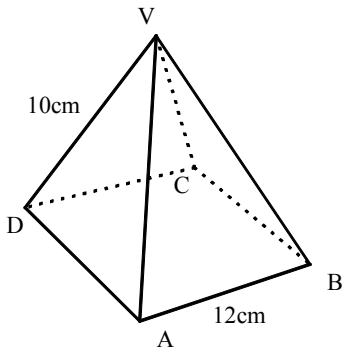


- 2) The diagram shows a cuboid. Find:
- the angle between line BH and plane ABFE.
 - the angle between planes ABGH and ABCD.

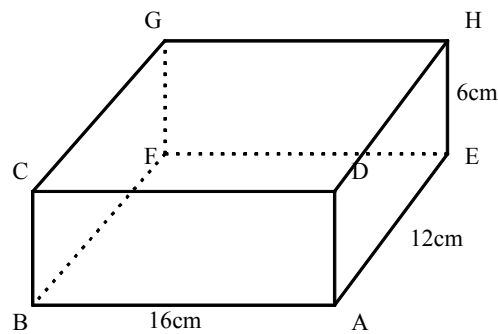


- 3) In the diagram, all the angles at C are right angles, and ACB and ADB are isosceles triangles. $AC=BC=8\text{cm}$, and $CD=5\text{cm}$. Find the angle between planes ABC and ADC.

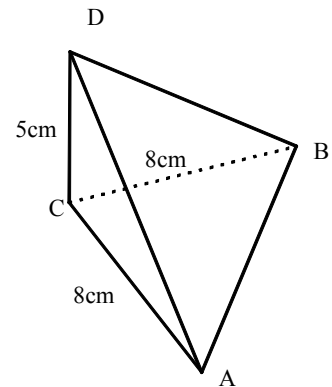
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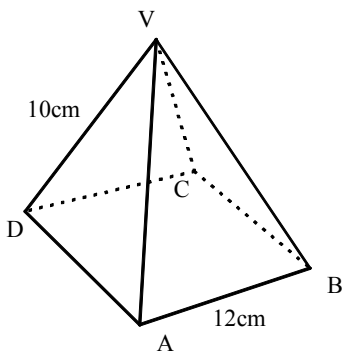


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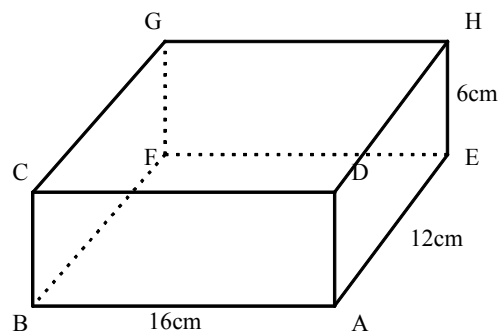


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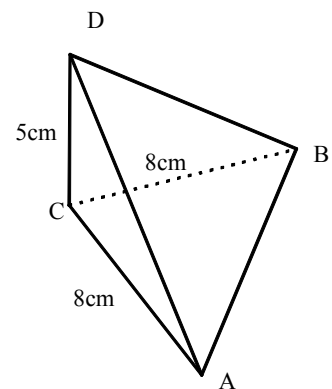
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