

# **Solution Book of Mathematic**

*Senior 2 Part I*

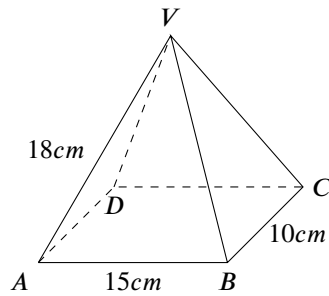
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# Contents

1. The diagram below shows a right pyramid with lateral edges of  $18\text{cm}$ , its base  $ABCD$  is a rectangle with length of  $15\text{cm}$  and width of  $10\text{cm}$ . Find:

- The height of the pyramid.
- The angle formed by plane  $VAB$  and plane  $ABCD$ .
- The angle formed by plane  $VBC$  and plane  $VAD$ .



2. The diagram below shows a right prism with isosceles triangle bases. The side length and base length of the triangle base are  $10\text{cm}$  and  $16\text{cm}$  respectively, the height of the prism is  $20\text{cm}$ . Given that  $P$  is the midpoint of  $AB$ . Find:

- The length of  $PC$ .
- The angle formed by line  $EC$  and plane  $ABCD$ .
- The angle formed by plane  $DCE$  and plane  $ABCD$ .

