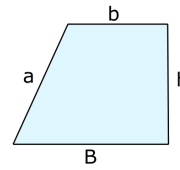


Plane Shapes: Area and Segments

Geometry
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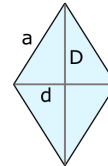
1) Consider a right trapezoid whose bases are 5 cm and 29 cm length and its area is 170 cm^2 . Find out:

- a) Length of altitude.
- b) Perimeter.



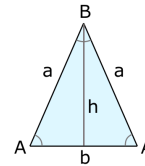
2) A rhombus has diagonals of 16 cm and 30 cm length. Calculate:

- a) Length of the side.
- b) Area.
- c) Perimeter.



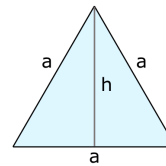
3) Consider an isosceles triangle. The base (non-equal side) is 30 cm length and the equal sides are 25 cm length each. Find out:

- a) Length of altitude.
- b) Area.



4) The area of an equilateral triangle is 21.218 cm^2 . Determine:

- a) Length of altitude.
- b) Length of side.



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Answers:

- 1) a) 10 cm; b) 70 cm.
- 2) a) 17 cm; b) 240 cm^2 ; c) 68 cm.
- 3) a) 20 cm; b) 300 cm^2 .
- 4) a) 6.0622 cm; b) 7 cm.