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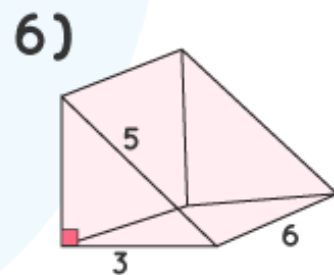
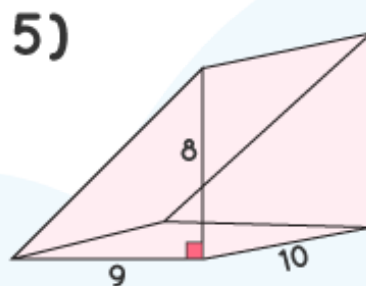
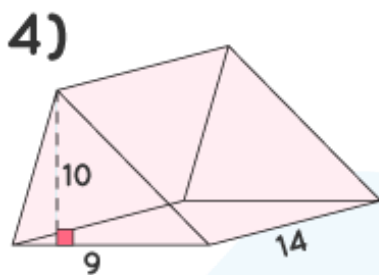
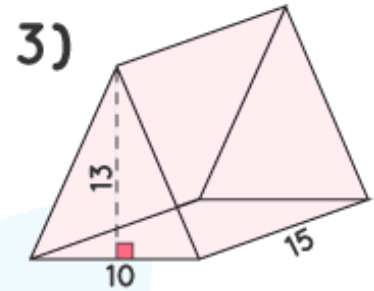
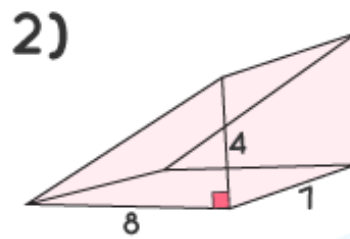
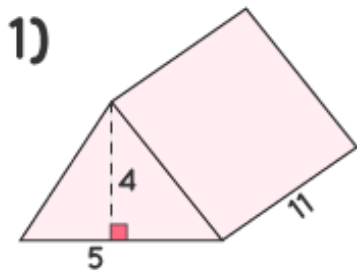
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## Volume of Triangular Prism Worksheets

Find the volume of the given prisms.

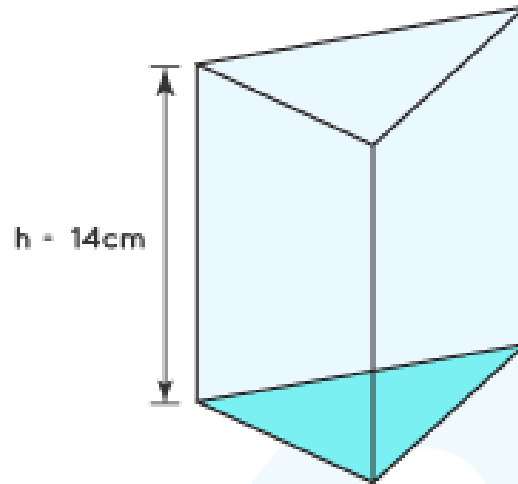


7. A prism has a cross-section of an equilateral triangle of length 5 in. The distance between its two bases is 4 in. What is its volume?

8. Find the volume of a triangular prism whose area is  $30 \text{ in}^2$  and height is 6 in.

9. Two triangular prisms with different base areas can have the same volume. True/False

10. The volume of the given prism is  $2134 \text{ cm}^3$ . Find the base area of the prism.



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- Gary Schwartz

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- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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**ANSWERS**

1. 110 cubic units	6. 36 cubic units
2. 112 cubic units	7. 43.32 cubic units
3. 975 cubic units	8. 180 cubic units
4. 630 cubic units	9. Yes, as the volume of the prism depends upon its height too.
5. 360 cubic units	10. 152.43 square units

## FUN FACT

1. A right prism is a prism in which the vertical faces are perpendicular to the base faces.
2. Prisms are named based on the shape of their bases. A hexagonal prism has a hexagonal base.

