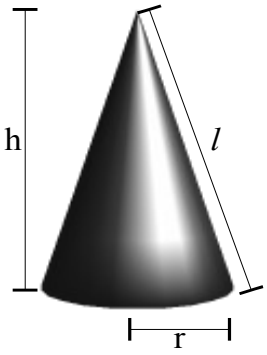
Volume and surface area of a cone

The following questions refer to the diagram on the right, showing a cone with base radius r, perpendicular height h and slant height l. The volume of the cone is V and the **curved** surface area is A.



1) If r = 5cm and h = 12cm, find V and A.
2) If r = 8cm and l = 17cm, find V and A.
3) If h = 21cm and l = 29cm, find V and A.
4) If A = 100cm^2 and r = 4cm, find V.
5) If V = 200cm^3 and h = 8cm, find A.

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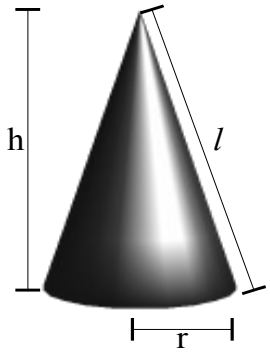

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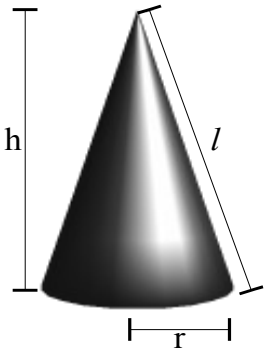

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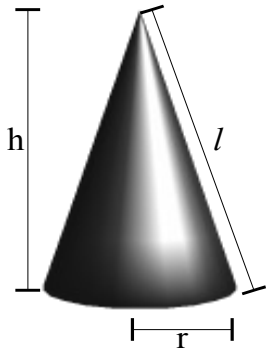

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