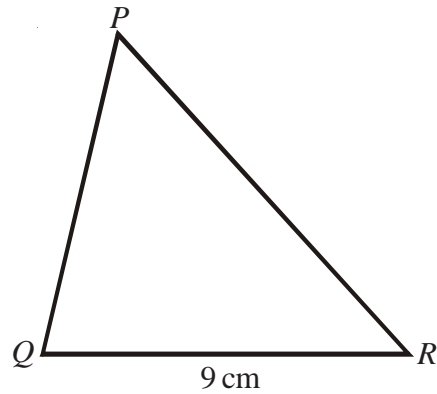
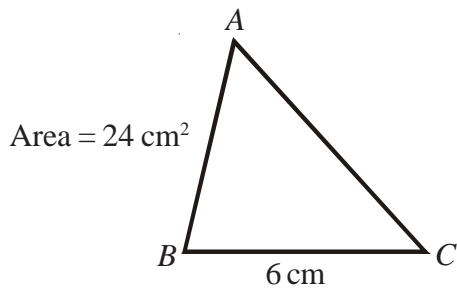




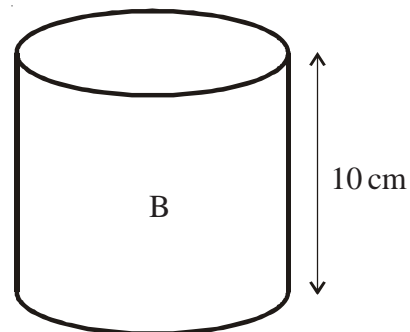
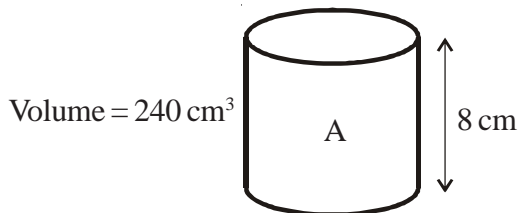
- 1) Triangle ABC is similar to triangle PQR .



The area of triangle ABC is 24 cm^2 .
Calculate the area of triangle PQR .



- 2) Cylinder A is mathematically similar to cylinder B.



The volume of cylinder A is 240 cm^3 .
Calculate the volume of cylinder B.



- 3) P and Q are two geometrically similar solid shapes.

The total surface area of shape P is 540 cm^2 .
The total surface area of shape Q is 2160 cm^2 .
The volume of shape P is 2700 cm^3 .

Calculate the volume of shape Q.