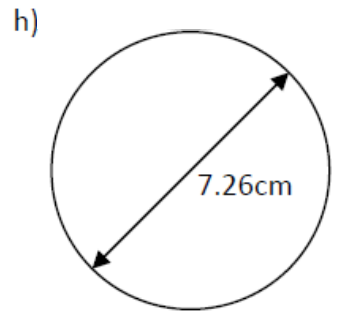
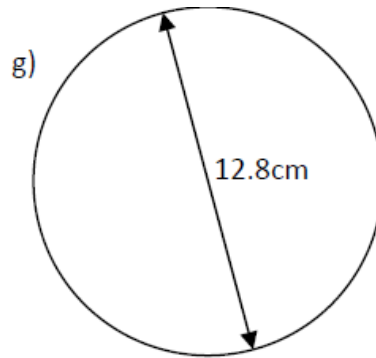
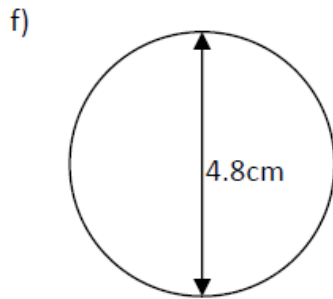
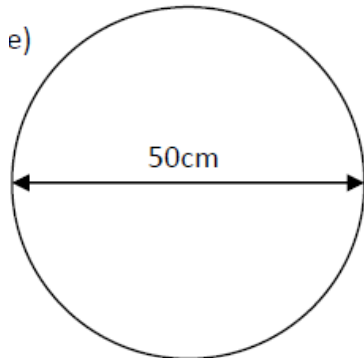
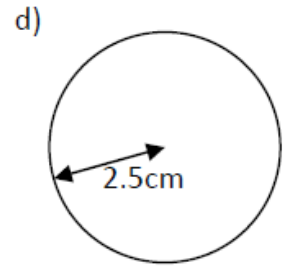
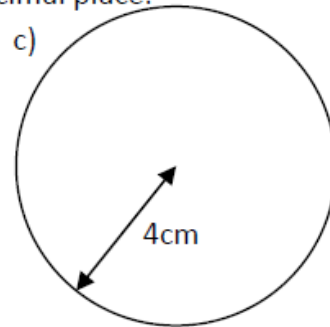
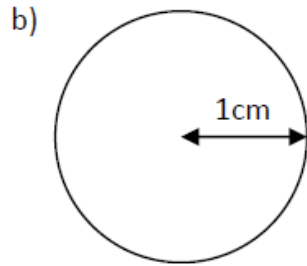
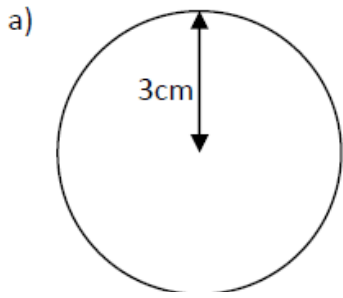


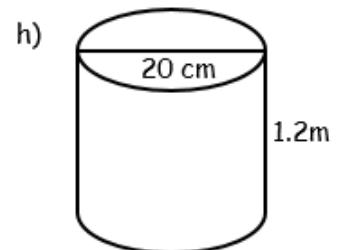
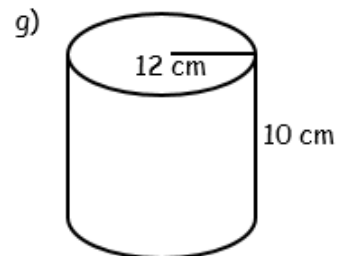
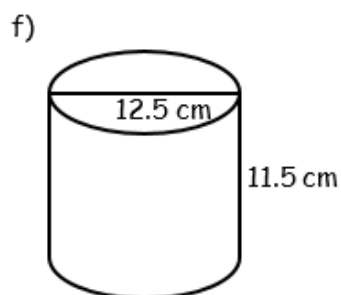
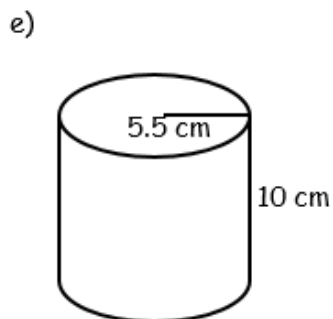
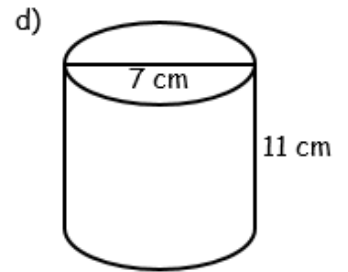
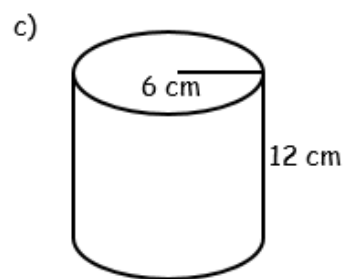
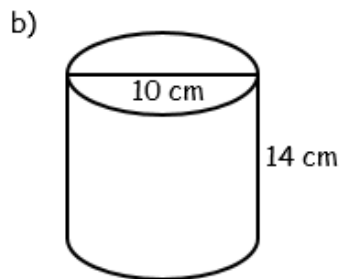
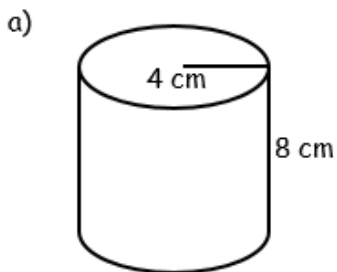
Volume of a Cylinder

Confidence Builders

1. Find the area of these circles. Give your answers to 1 decimal place.

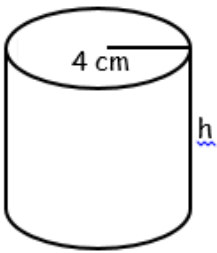


Extending Knowledge- Find the volume of the following cylinders, round to 1dp:

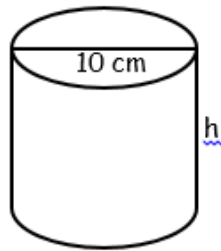


Challenge- Find the missing lengths. Round your answer to the nearest whole number:

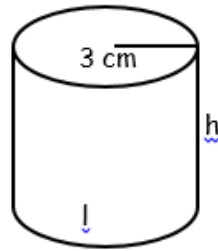
a) Volume = 64 cm^3



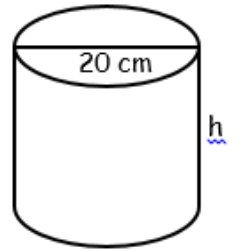
b) Volume = 300 cm^3



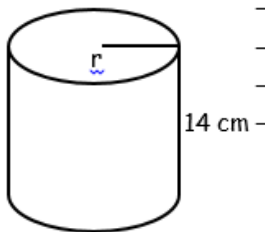
c) Volume = 224 cm^3



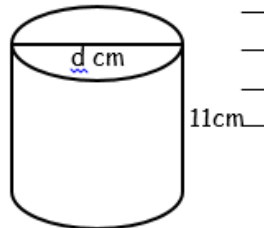
d) Volume = 540 cm^3



e) Volume = 1360 cm^3



f) Volume = 420 cm^3



★ Superstar Challenge ★

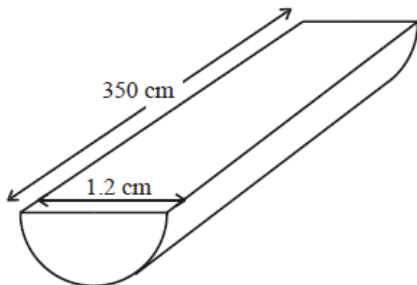
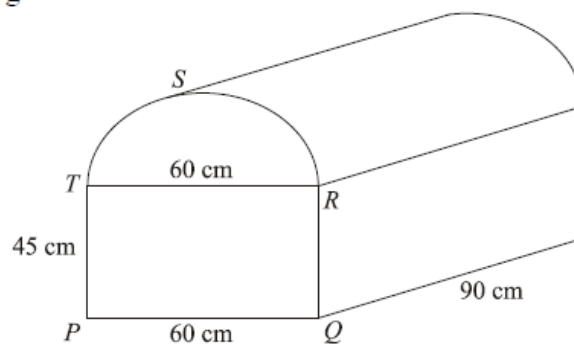


Diagram NOT accurately drawn

The diagram shows a piece of wood.
The piece of wood is a prism of length 350 cm.
The cross-section of the prism is a semi-circle with diameter 1.2 cm.

Calculate the volume of the piece of wood.
Give your answer correct to 3 significant figures.



Calculate the volume of the prism.
Give your answer correct to 3 significant figures.
State the units of your answer.

Diagram NOT accurately drawn