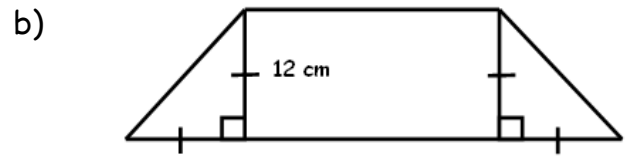
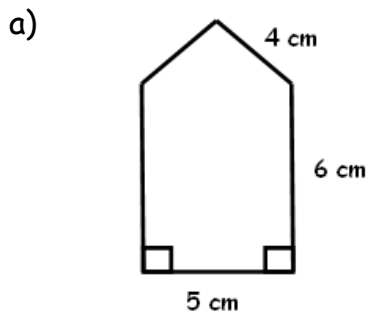
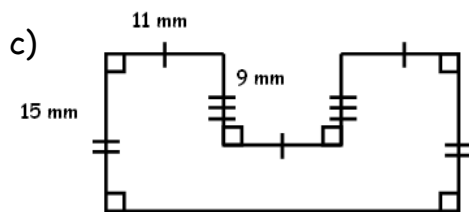
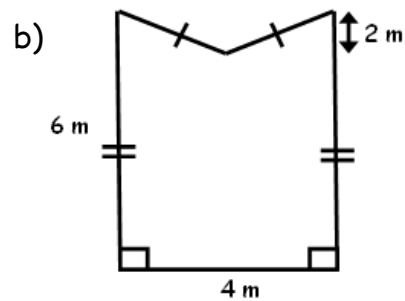
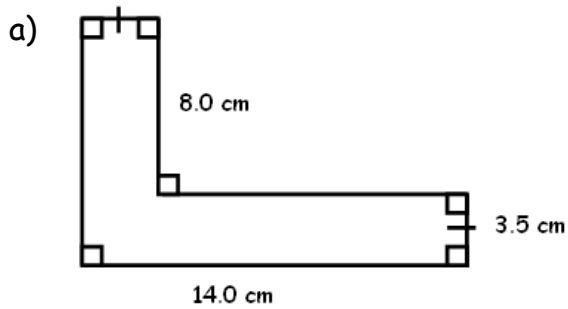


1. Calculate the area of each figure.

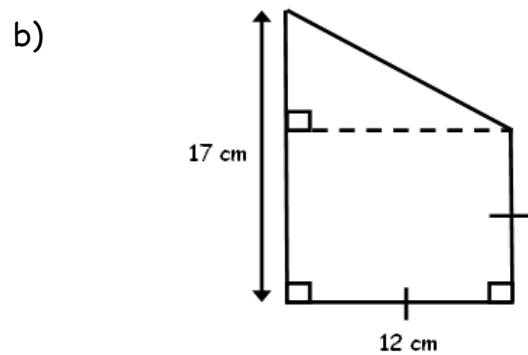
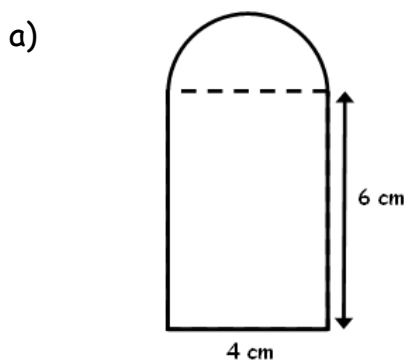


2. For each composite figure shown,

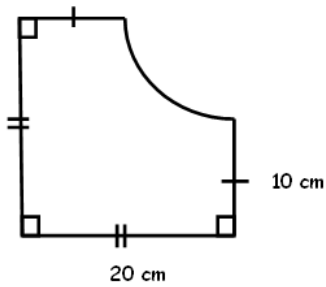
- Identify the simple shapes that make up the complicated figure
- Determine the total area



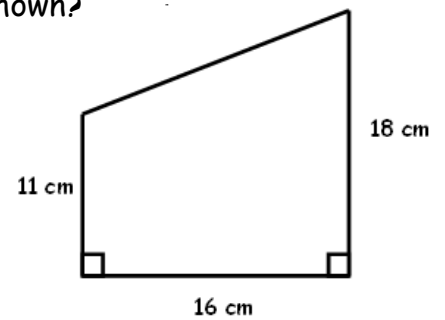
3. Calculate the perimeter of each figure.



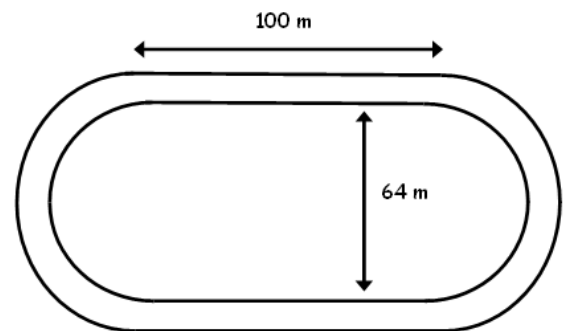
4. The design of a machine part is shown. The cut-out shape is a quarter circle. Calculate the area of the machine part.



- [8] 5. a) What length of fencing is needed to surround the yard shown?
b) What is the area of the yard?

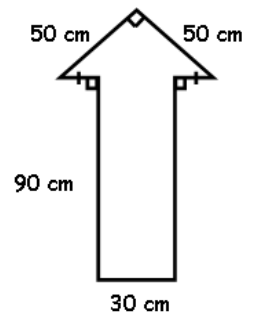


6. The diagram shows a running track at a high school. It consists of two parallel line segments with a semicircle at each end. The track is 10m wide.



- a) Kayla runs on the inside of the track. How far does she run?
b) Emi runs on the outer edge. How far does she run in one lap?
c) Find the difference between the distances run by Kayla and Emi.

7. Brad is planning a garage sale. To direct customers to his house, he is painting six arrow signs.



- a) Calculate the area of one sign.
b) Each can of paint can cover 1 m^2 . How many cans of paint should Brad buy for all six signs. Explain your answer.