

SHARP

Worksheet 16: Area and Perimeter of 2D Shapes

Grade 8 Maths

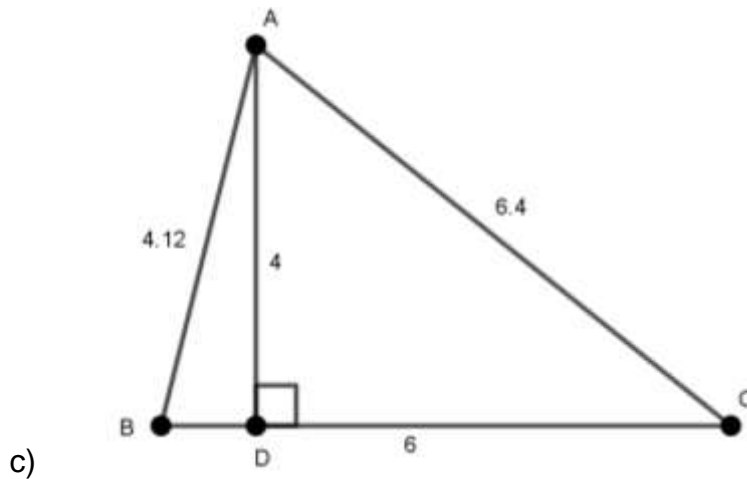
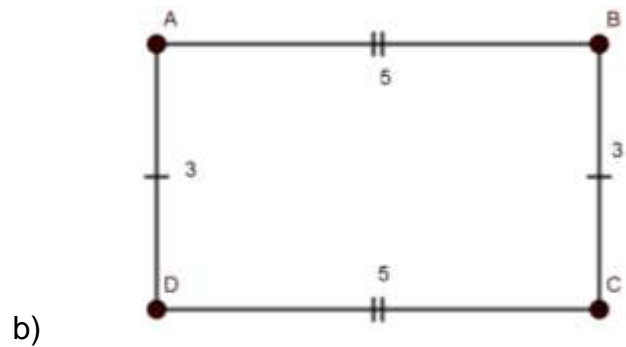
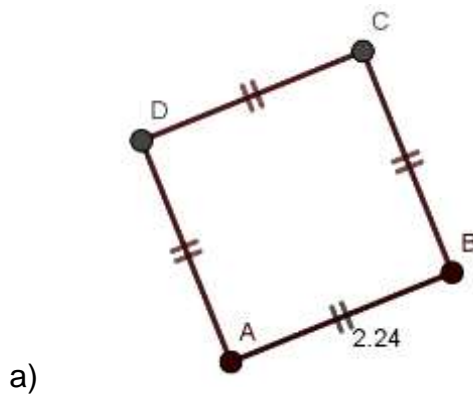
1. Give the formulae for the perimeter and area of each of these shapes:

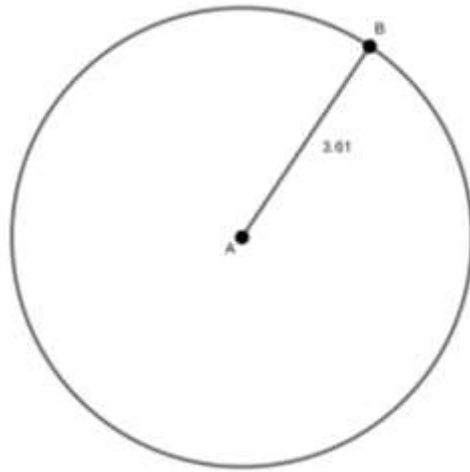
- | | |
|-------------|--------------|
| a) square | b) rectangle |
| c) triangle | d) circle |

2. Draw a circle with the following labels:

- | | |
|-------------|------------------|
| a) Centre | b) radius |
| c) diameter | d) circumference |

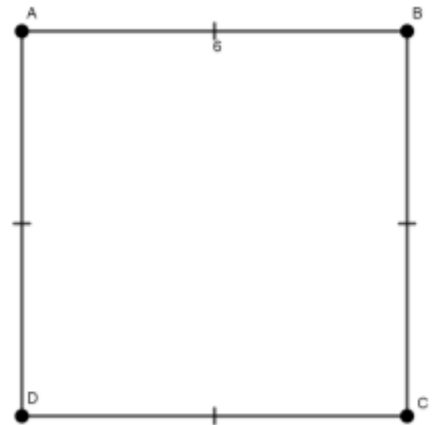
3. Give the perimeter and area of each of the shapes below:





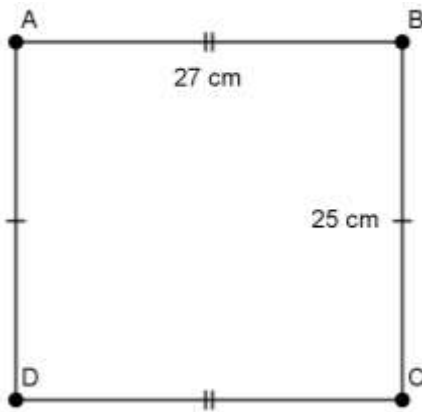
d)

radius = 3.61 m

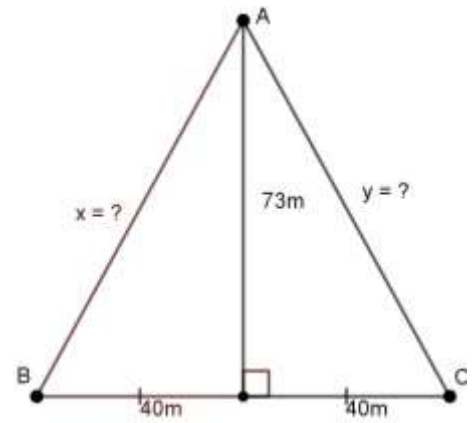


e)

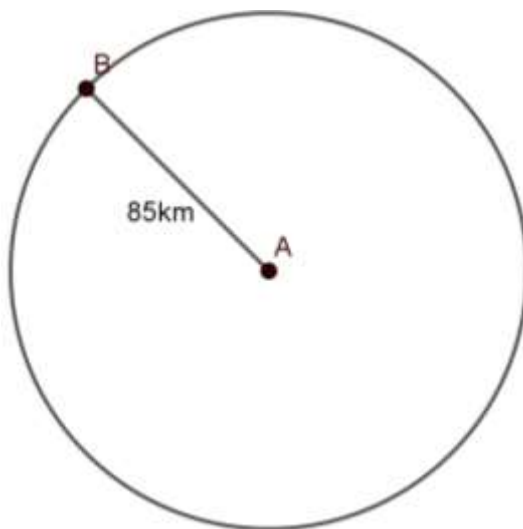
side = 6 mm



f)

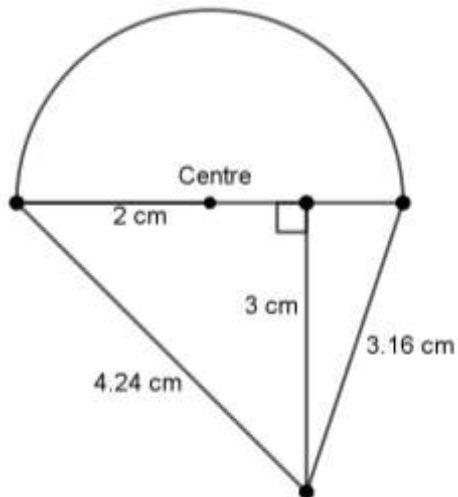


g)



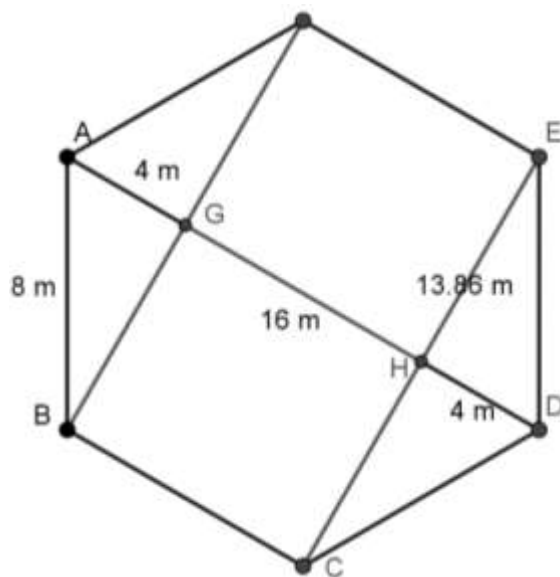
h)

4. Find the area and perimeter of each of these shapes:



a)

b)



$$AB = 8\text{ m}$$

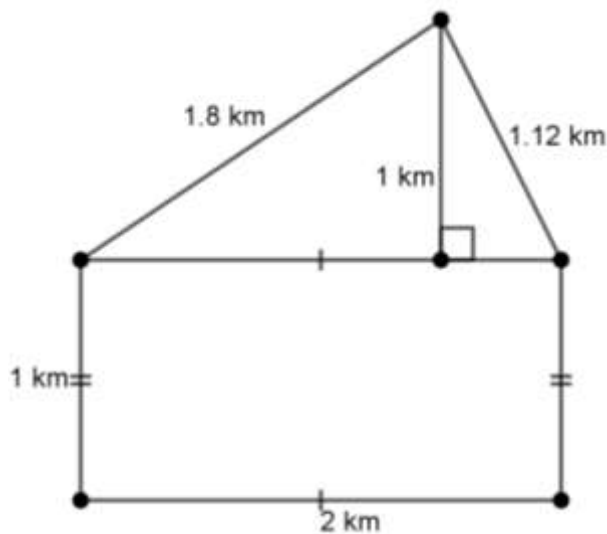
(Regular hexagon, all sides 8m)

$$AG = 4\text{ m}$$

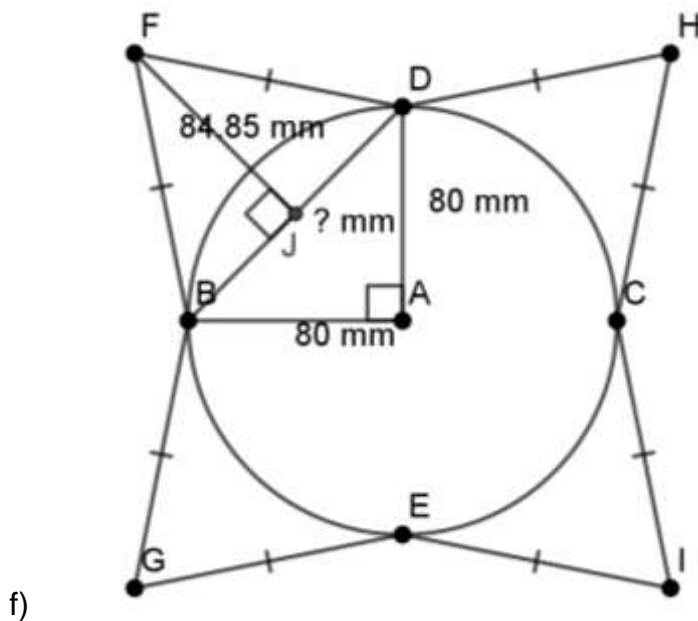
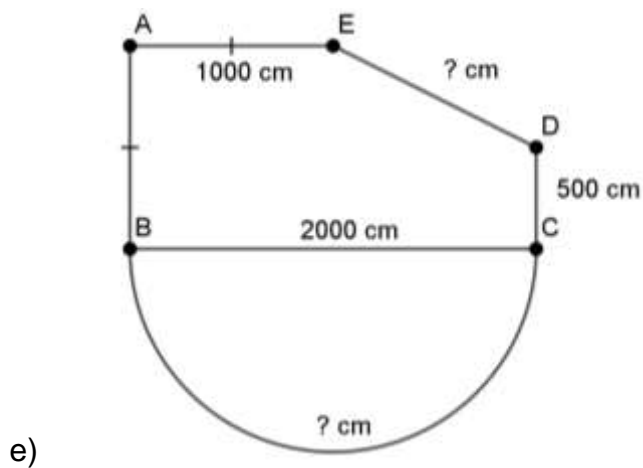
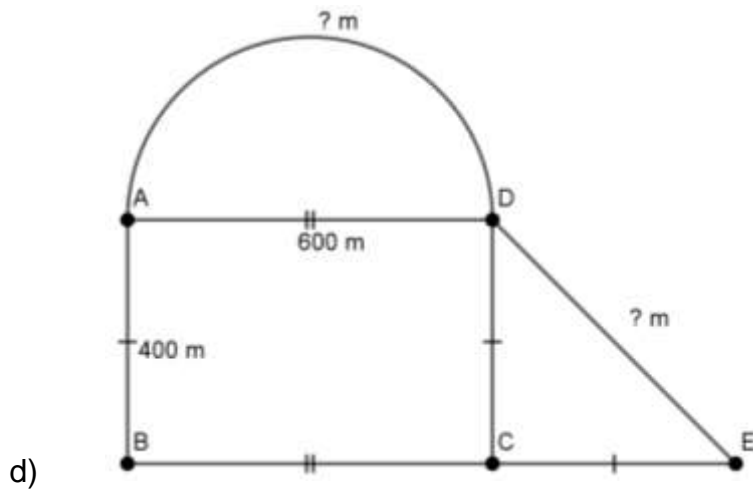
$$HD = 4\text{ m}$$

$$AD = 16\text{ m}$$

$$CE = 13.86\text{ m}$$



c)



Note $BJ = JD$