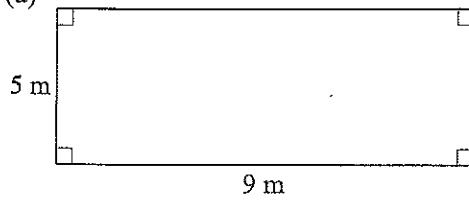




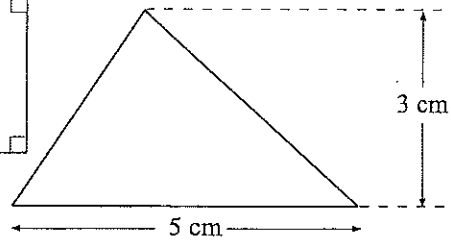
## Exercises

1. Calculate the area of each of the following shapes:

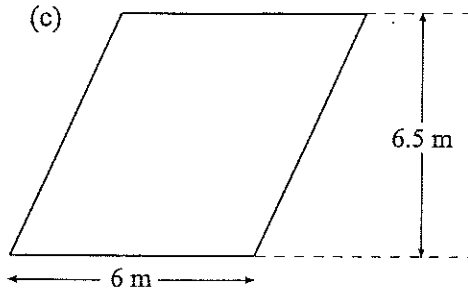
(a)



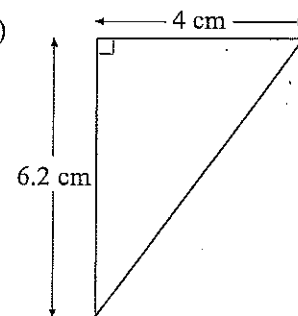
(b)



(c)



(d)

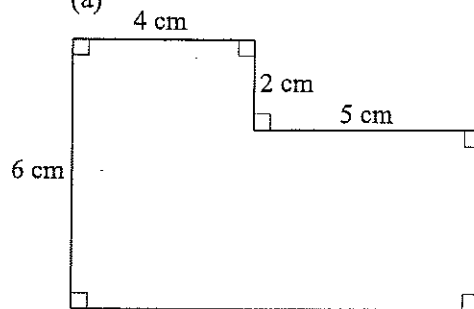


2. Calculate, giving your answers correct to 3 significant figures, the *area* of a circle with:

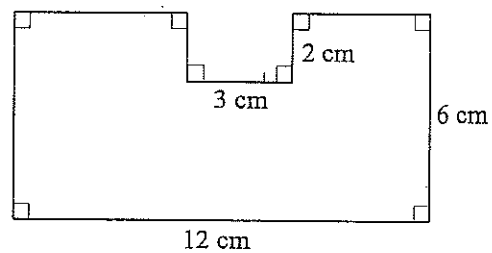
(a) radius 6 m,      (b) diameter 20 cm,      (c) diameter 9 cm.

3. Calculate the *area* of each of the following shapes, giving your answers correct to 3 significant figures:

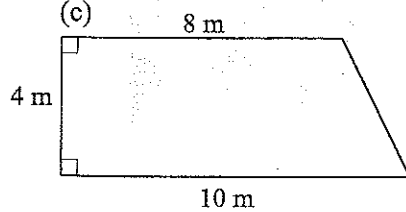
(a)



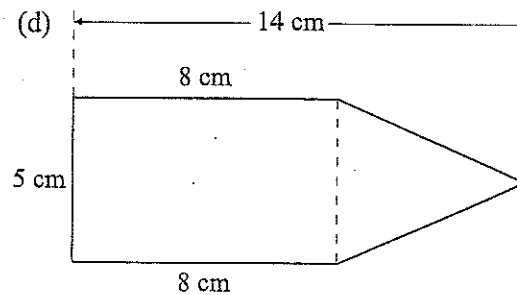
(b)



(c)

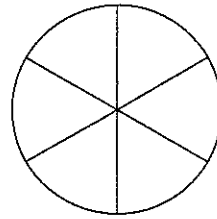


(d)

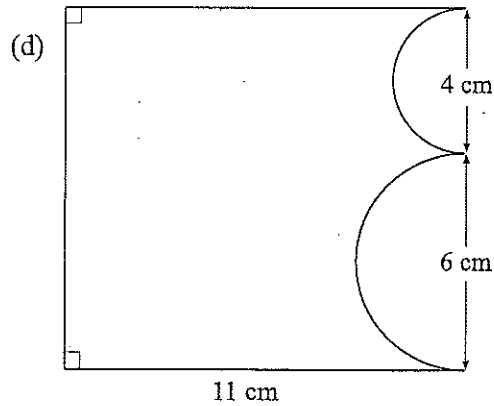
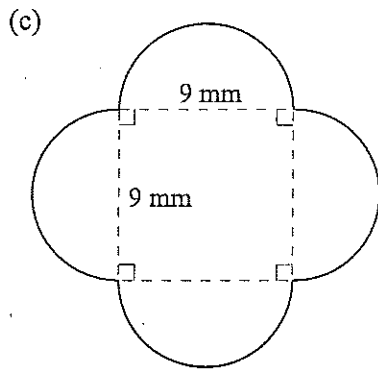
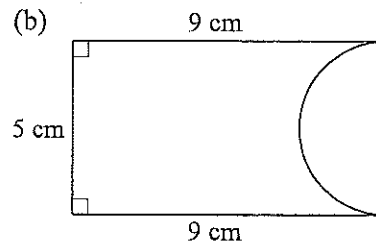
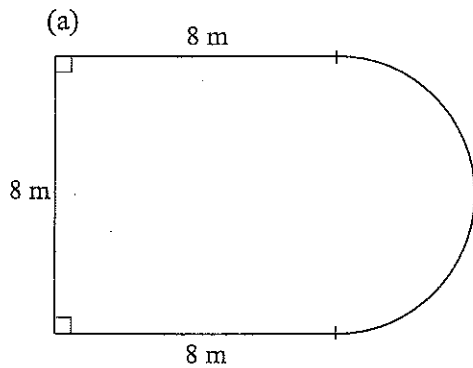


4. Calculate, giving your answers correct to 3 significant figures, the *area* of the semicircle with:
- (a) radius 30 cm,                      (b) diameter 14 mm.

5. A circle of radius 8 cm is cut into 6 parts of equal size, as shown in the diagram. Calculate the *area* of each part, giving your answer correct to 2 decimal places.



6. Giving your answers correct to 3 significant figures, calculate the *area* of each of the following shapes. Each of the curved parts is a semicircle.



7. A rectangular metal plate is shown in the diagram. Four holes of diameter 8 mm are drilled in the plate. Calculate the *area* of the remaining metal, giving your answer correct to 2 decimal places.

