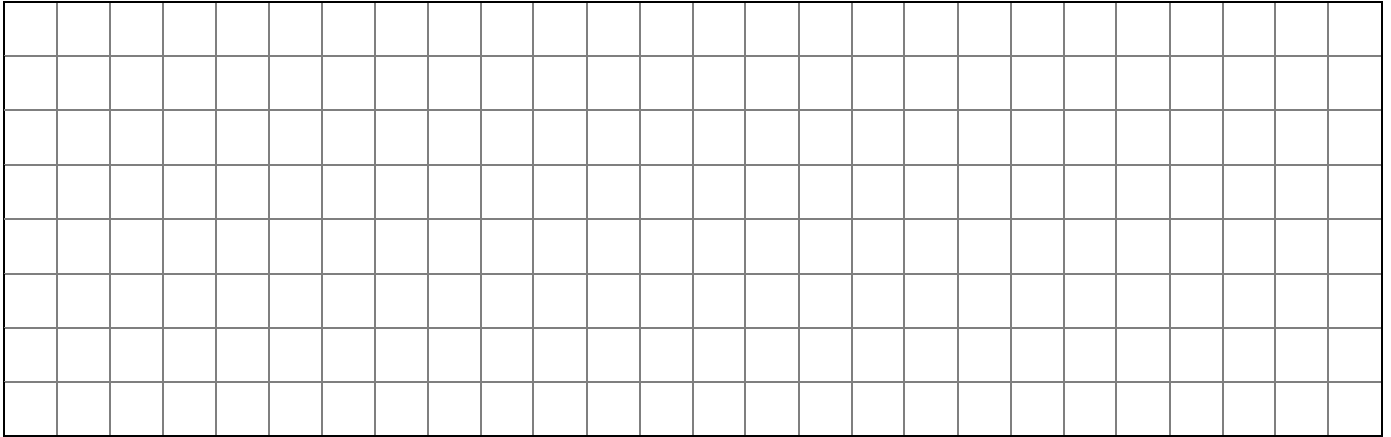
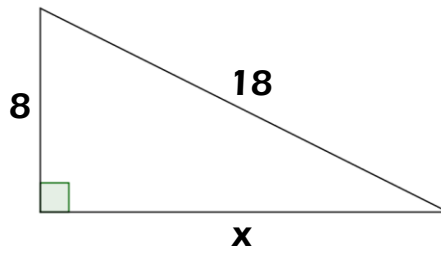


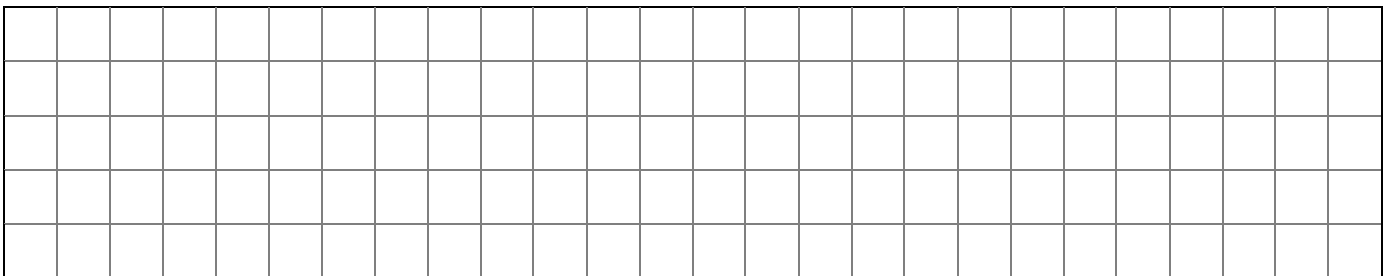
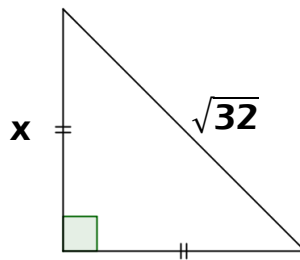
Question 2

Find the length of the side marked x in the triangle below (to one decimal place).



Question 3

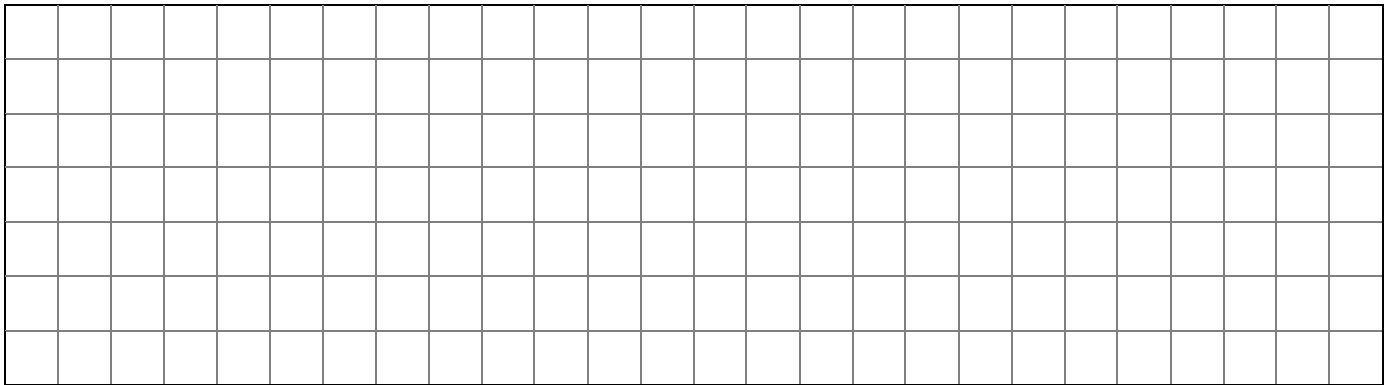
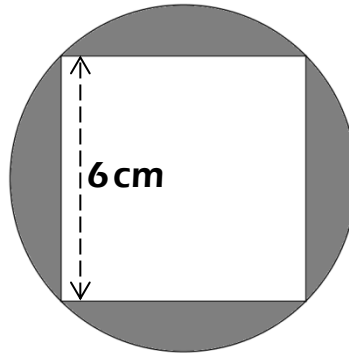
Find the length of the side marked x in the triangle below.

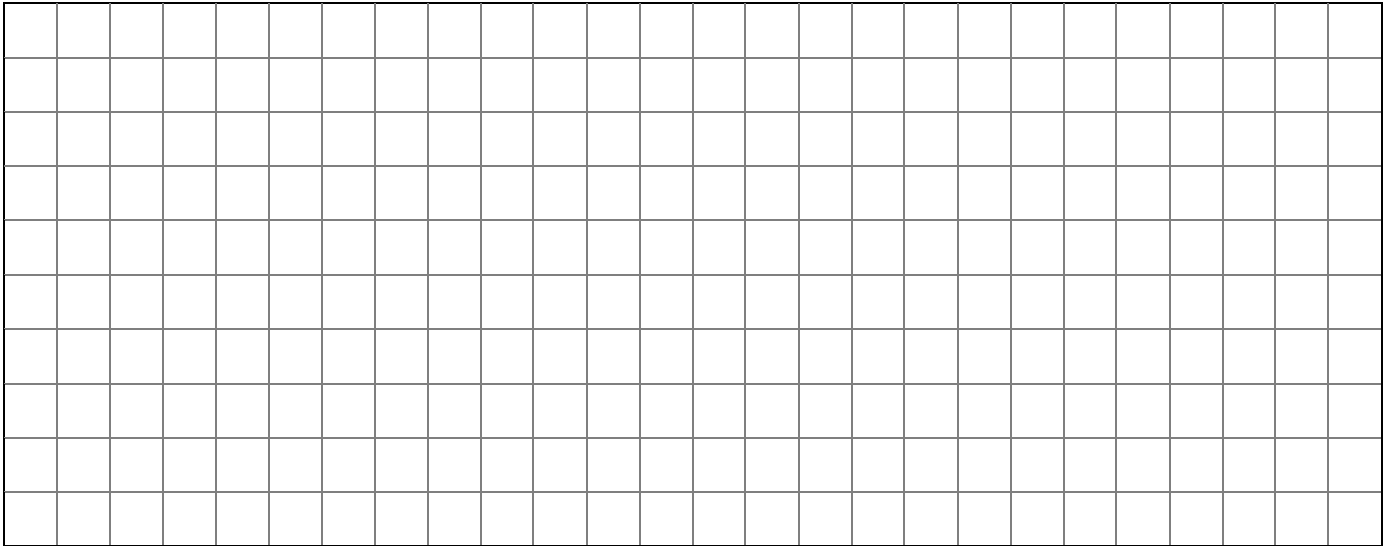


Question 4

In the diagram below, a square with sides 6 cm long is inscribed in a circle.

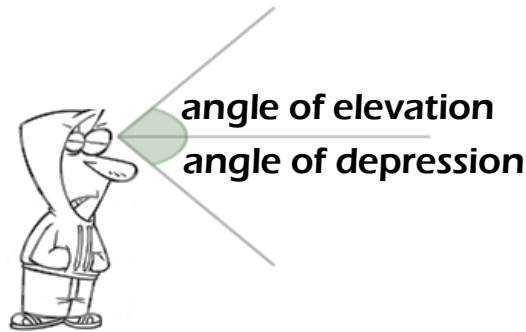
- (i) Find the diameter of the circle.
- (ii) Hence find the area of the shaded region (to one decimal place).





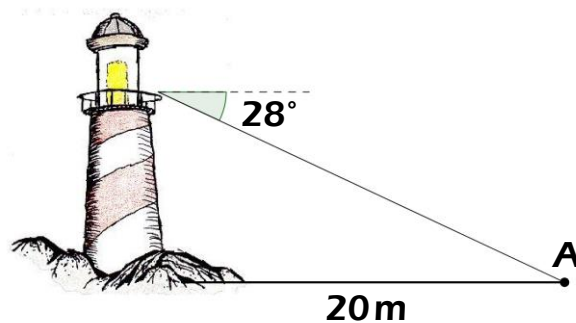
Angles of Elevation/Depression

It is important that angles of elevation and depression always come from rotating horizontal lines!



Question 13

From the balcony of a lighthouse, the angle of depression of a point A on level ground is 28° . The point A is 20m from the base of the lighthouse.



Find the height of the lighthouse (to two decimal places).

