

Area of Circle and Sector

Match the definitions to the images

Circumference

Diameter

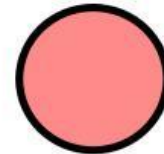
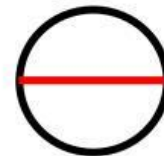
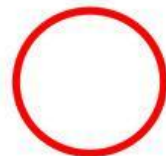
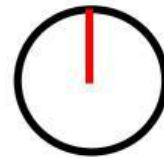
Radius

90°

180°

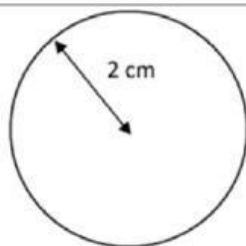
Sector

$$A = \pi r^2$$



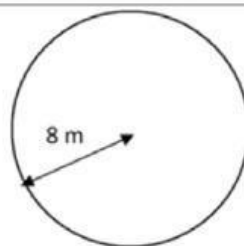
Find the area of the following

4)



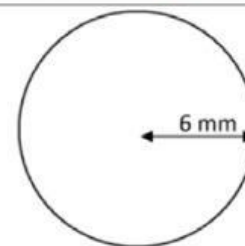
A = _____

5)

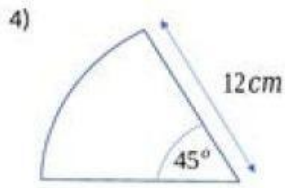


A = _____

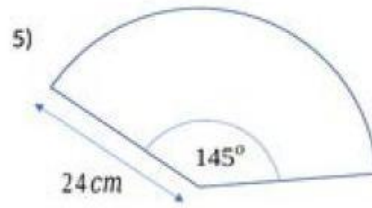
6)



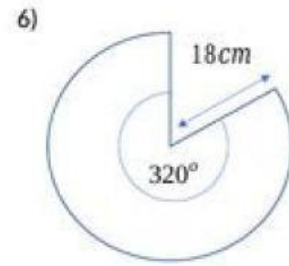
A = _____



A: _____ cm



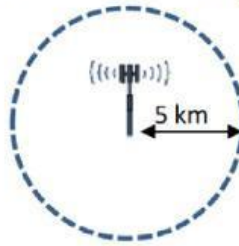
A: _____ cm



A: _____ cm

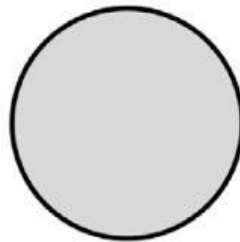
Answer the following questions

A cell phone mast has a range of 5km in all directions. Work out the area covered by one mast.

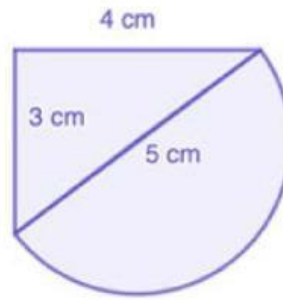
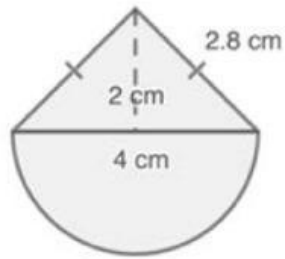
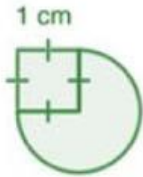
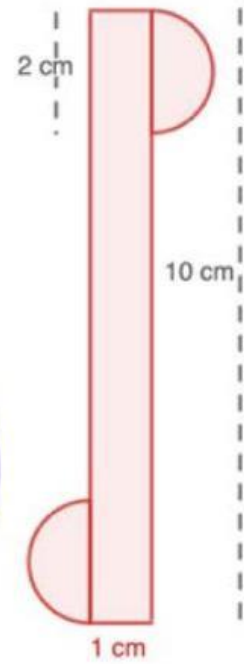
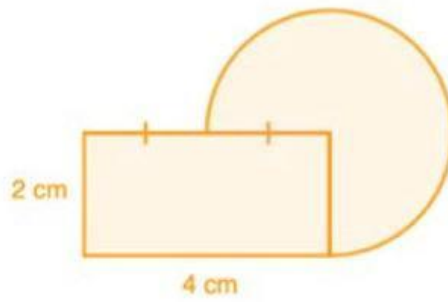
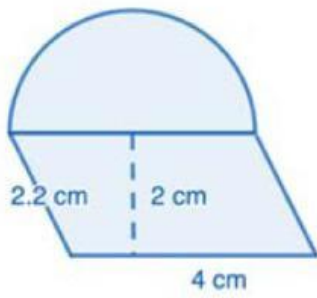


Area covered by the mast is _____ .

A circular mirror has an area of 144π square cm.
What is the diameter of the mirror?



The diameter of the mirror is _____ cm.



Area (Blue): _____ cm

Area (Yellow): _____ cm

Area (Red): _____ cm

Area (Green): _____ cm

Area (Black): _____ cm

Area (Purple): _____ cm