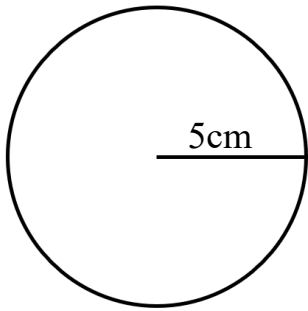
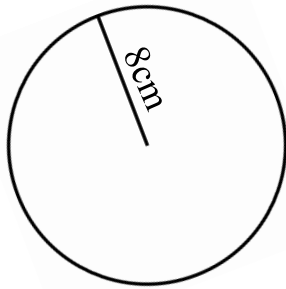


Work out the **area** of the following circles.

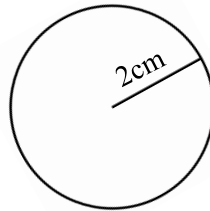
Leave each answer in terms of π .



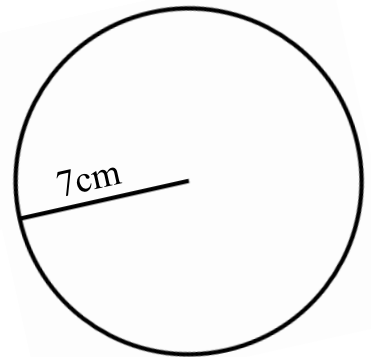
A =



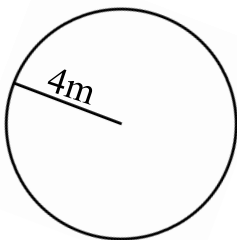
A =



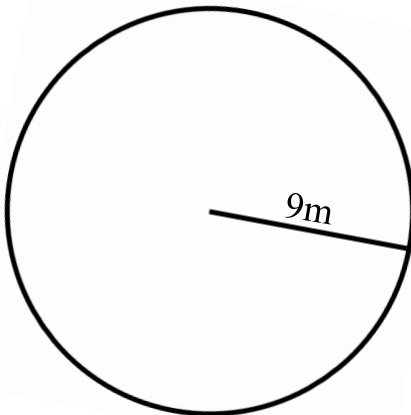
A =



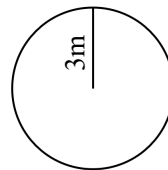
A =



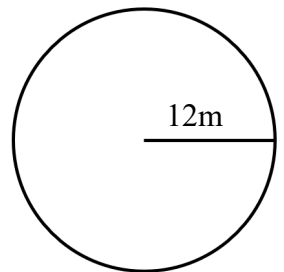
A =



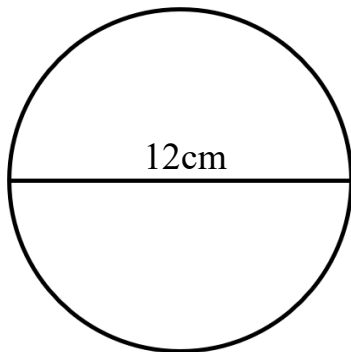
A =



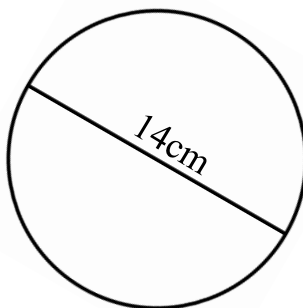
A =



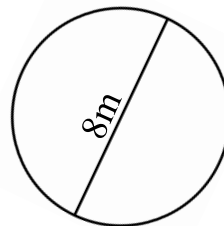
A =



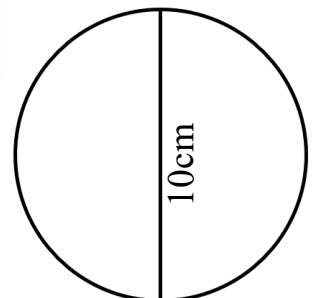
A =



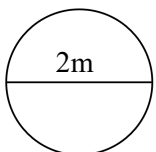
A =



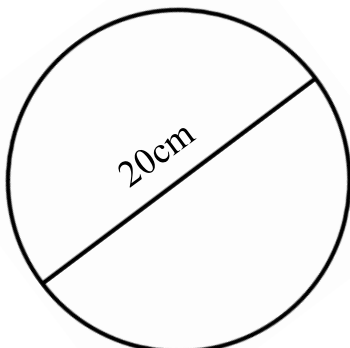
A =



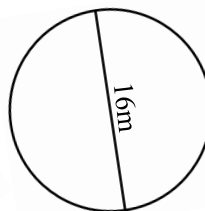
A =



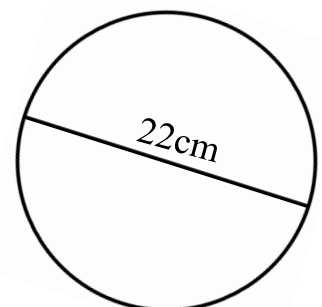
A =



A =



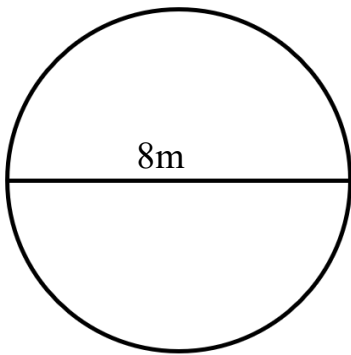
A =



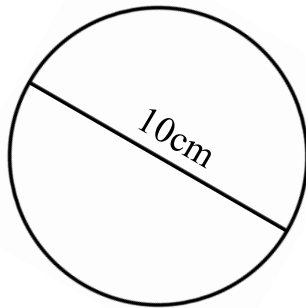
A =

Work out the **circumference** of the following circles.

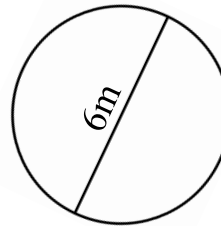
Leave each answer in terms of π .



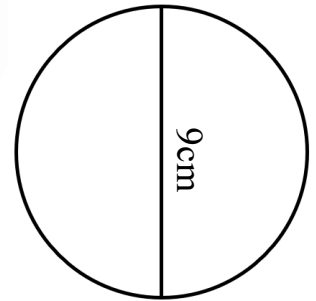
$C =$



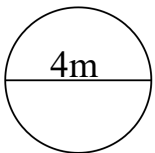
$C =$



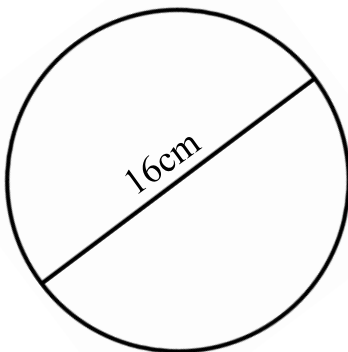
$C =$



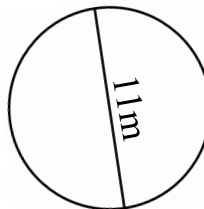
$C =$



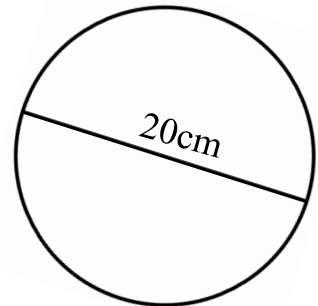
$C =$



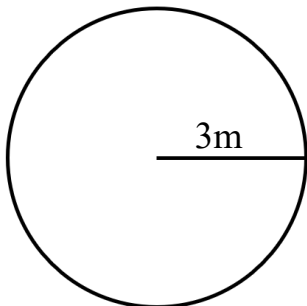
$C =$



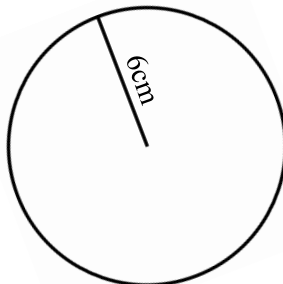
$C =$



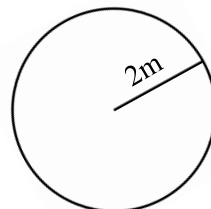
$C =$



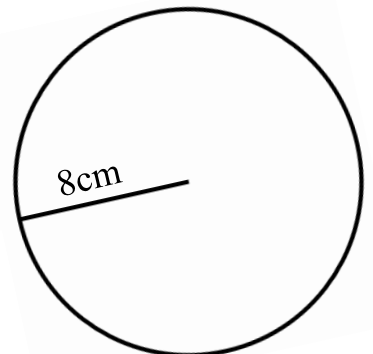
$C =$



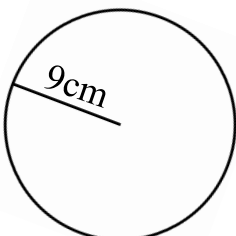
$C =$



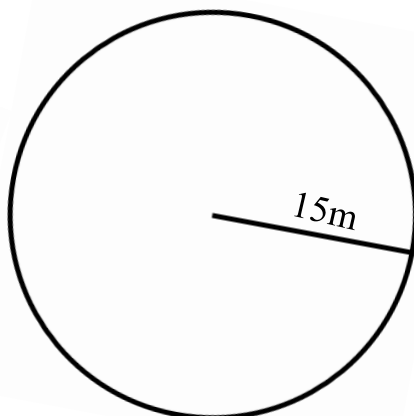
$C =$



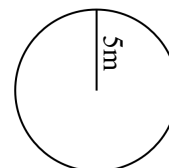
$C =$



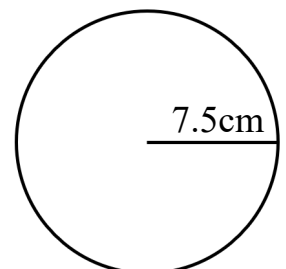
$C =$



$C =$

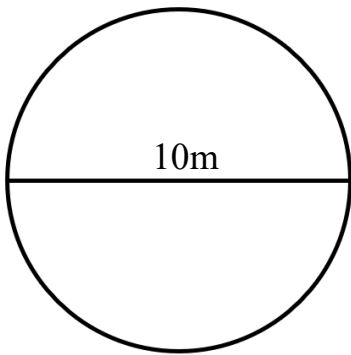


$C =$

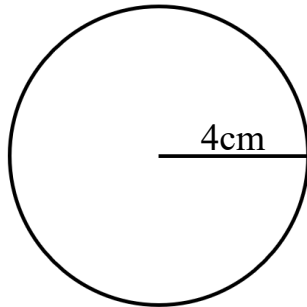


$C =$

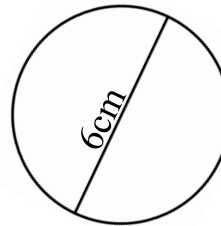
Work out the **area** and **circumference** of the following circles.
Leave each answer in terms of π .



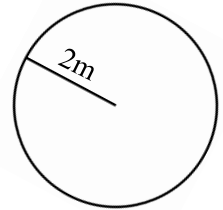
A = C =



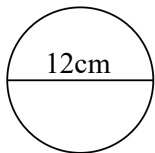
A = C =



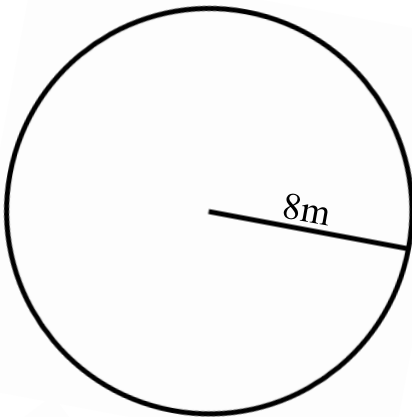
A =
C =



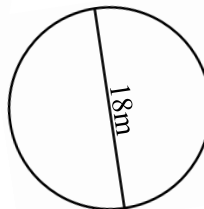
A = C =



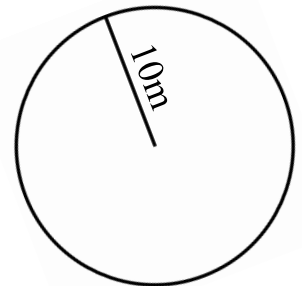
A =
C =



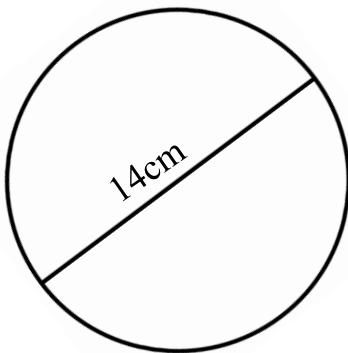
A = C =



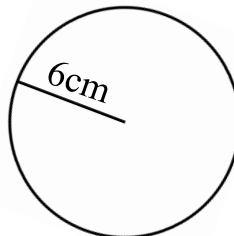
A =
C =



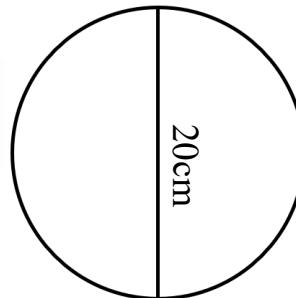
A = C =



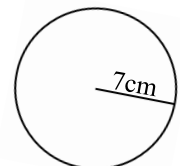
A = C =



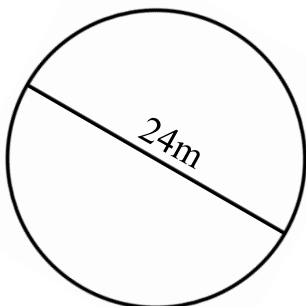
A =
C =



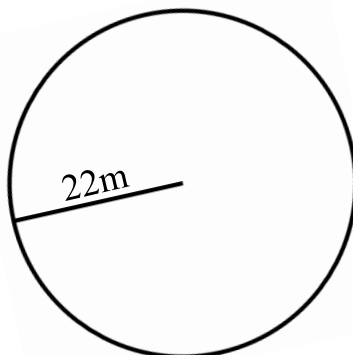
A = C =



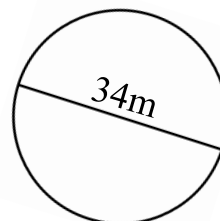
A =
C =



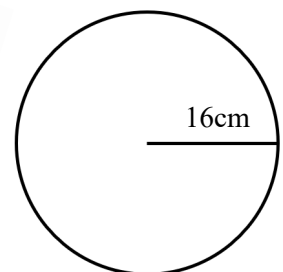
A = C =



A =
C =

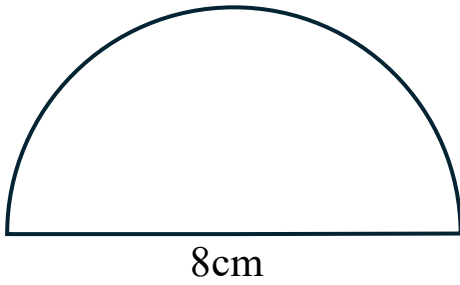


A =
C =



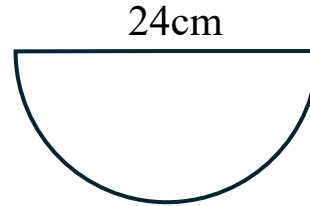
A =
C =

Work out the **area** and **perimeter** of the following circles sectors.
Leave each answer in terms of π .



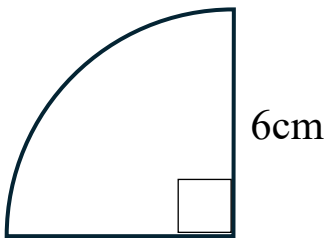
A =

P =



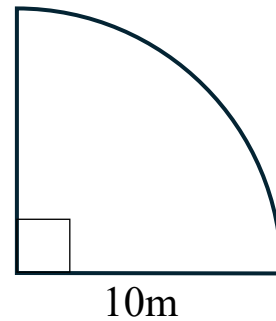
A =

P =



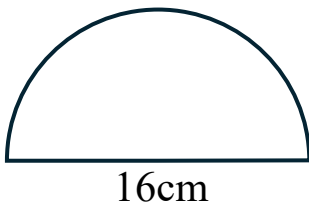
A =

P =



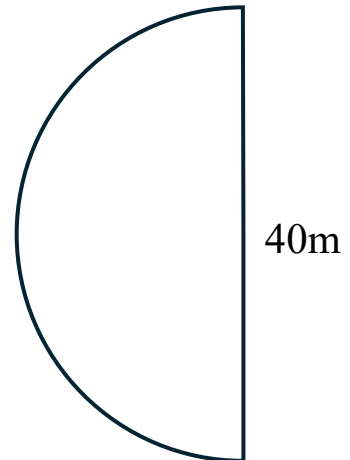
A =

P =



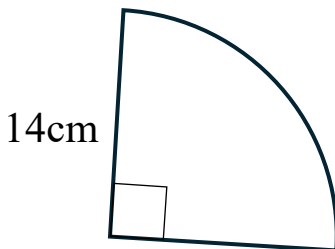
A =

P =



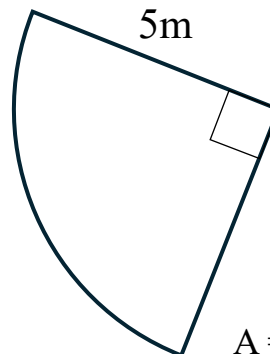
A =

P =



A =

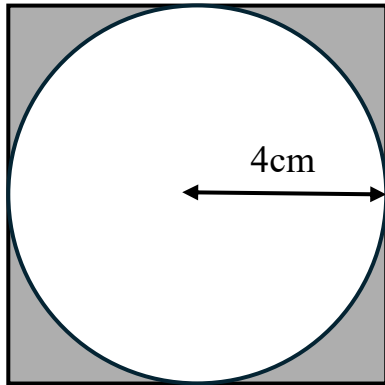
P =



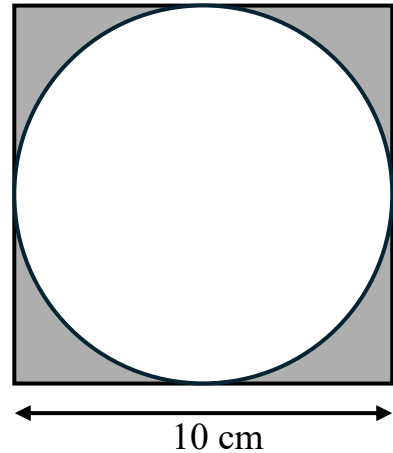
A =

P =

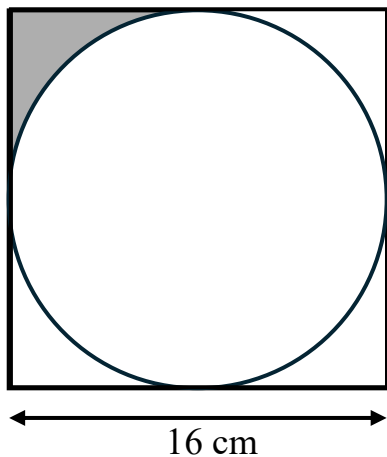
Work out the **area** of the shaded region.
Leave your answer in terms of π .



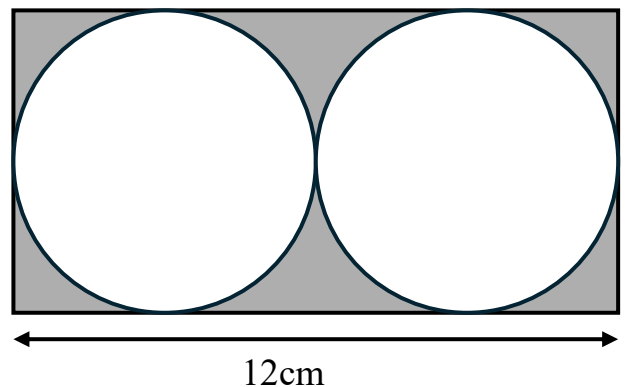
Work out the **area** of the shaded region.
Leave your answer in terms of π .



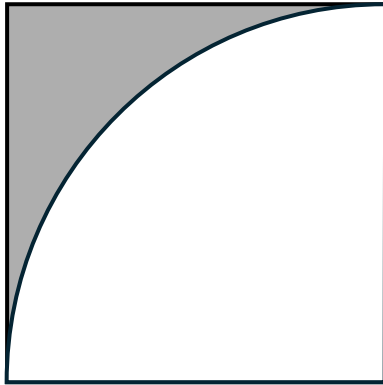
Work out the **area** of the shaded region.
Leave your answer in terms of π .



Work out the **area** of the shaded region.
Leave your answer in terms of π .

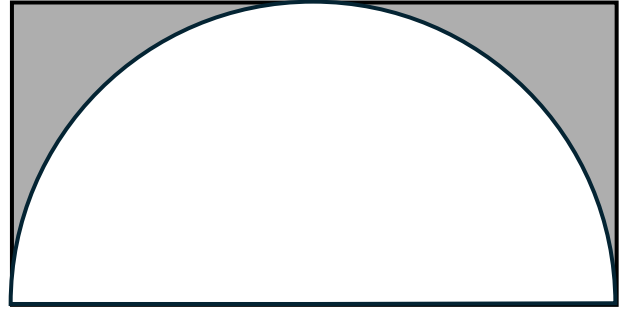


Work out the **area** of the shaded region.
Leave your answer in terms of π .



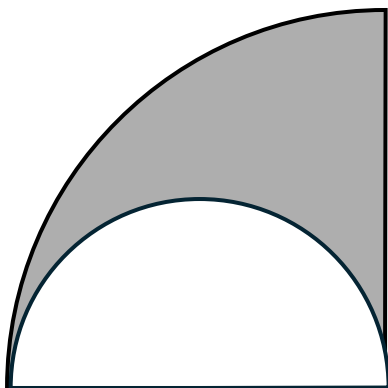
4 cm

Work out the **area** of the shaded region.
Leave your answer in terms of π .



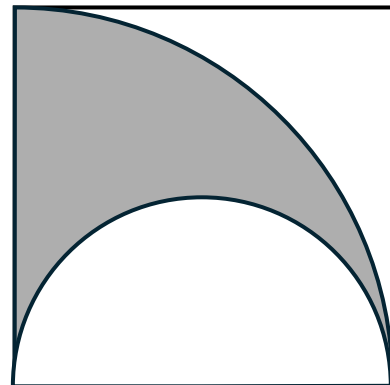
20cm

Work out the **area** of the shaded region.
Leave your answer in terms of π .



8cm

Work out the **area** of the shaded region.
Leave your answer in terms of π .



6cm