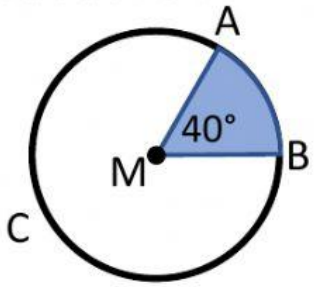
Name _____ Date _____

Year Group _____

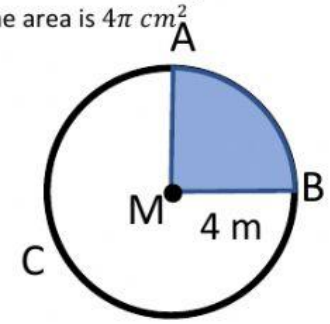
Find the radius or central angle given the area of the circle
Make sure to put the radius in the correct spot; one will be left blank

1. Find the radius of the circle if the shaded area is $9\pi\ cm^2$



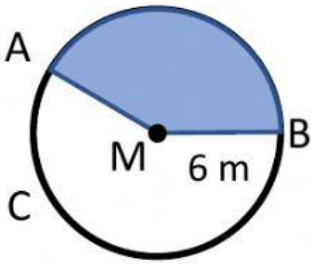
Radius = _____ cm _____ cm^2

2. Find the central angle of the circle if the area is $4\pi\ cm^2$



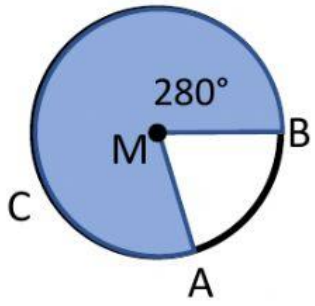
Central Angle = _____ °

3. Find the central angle of the circle if the area is $15\pi\ cm^2$



Central Angle = _____ °

4. Find the radius of the circle if the shaded area is $\frac{28}{9}\pi\ cm^2$



Radius = _____ cm _____ cm^2

5. Find the radius of a circle if the sector has a 45° central angle and has a area $\frac{49}{8}\pi\ cm^2$.

Radius = _____ cm _____ cm^2