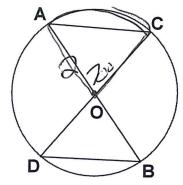
Area of a Sector

1. In circle O, $m \angle AOC = 70$ and $\overline{AO} = 2$ in Find the area of sector COA to the nearest square inch.



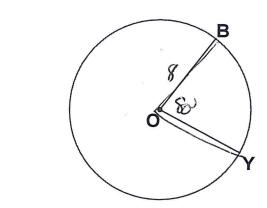
 $A = \frac{707(2)^3}{360}$ $A = 2n^3$



2. In circle O, if $\angle BOY = 80^{\circ}$ and $\overline{BO} = 8$ cm, find the area of sector BOY in terms of π .

A-QM2 360

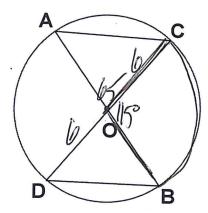
A= 1001103



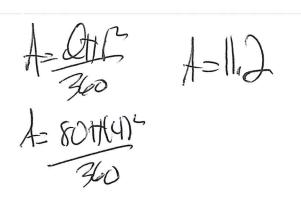
3. In circle O, $m \angle AOC = 65$ and $\overline{DO} = 6$ in. Find the area of sector COB in terms of π .

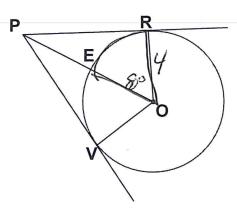
1-001/2 1-1157/67





4. In circle O, tangents \overline{PR} and \overline{PV} are drawn. If $m \angle ROP = 80$ and $\overline{RO} = 4$ cm, find the area of sector ROE to the nearest tenth of a cm.

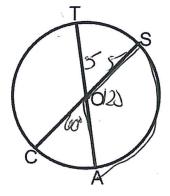




5. In circle O, diameters \overline{TA} and \overline{CS} are drawn. If $m \angle COA = 60$ and $\overline{TA} = 10$ cm, find the area of sector SOA to the nearest hundredth of a square centimeter.



A=26.18



- A= 12017(5)2
- 6. In circle O, diameter \overline{SP} and radius \overline{TO} are drawn. If $m\angle SOT = 40$ and $\overline{TO} = 2$ meters, find the area of sector TOP in terms of π .

H= OTH 3/00

A 1401/12

A=1411

