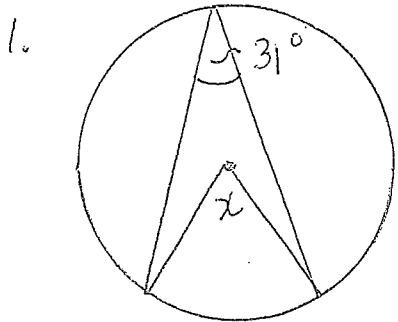
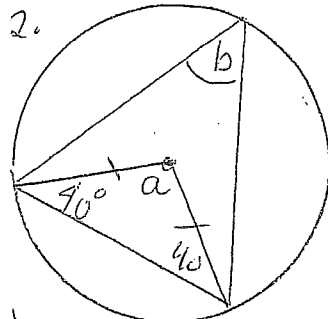


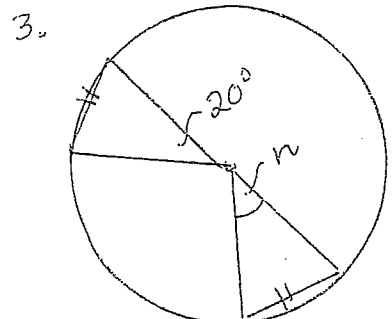
Pm 9 Central/Inscribed Angles Name



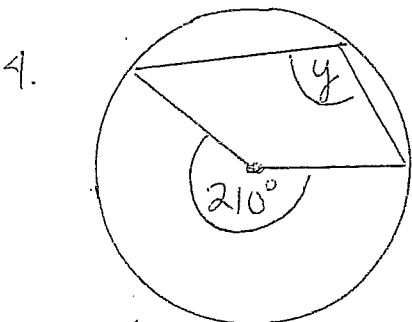
$\angle x = 62^\circ$ (double inscribed \angle)



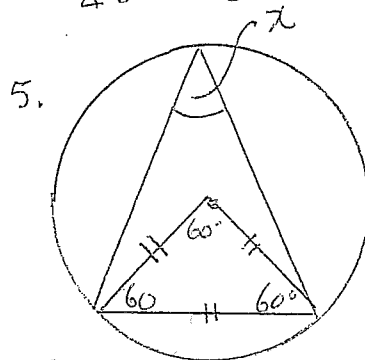
$\angle a = 100^\circ$ (Δ 's in a Δ)
 $\angle b = 50^\circ$ ($1/2$ central \angle)



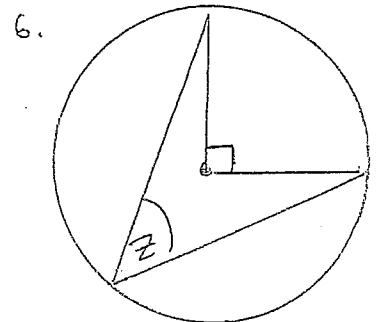
$\angle n = 20^\circ$ (central \angle on = chord)



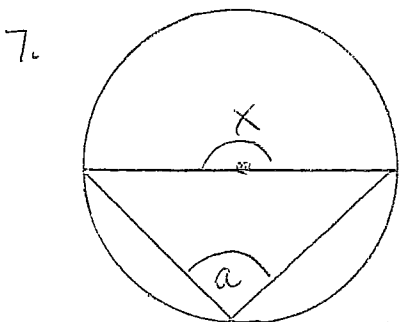
$\angle y = 105^\circ$ ($1/2$ central \angle)



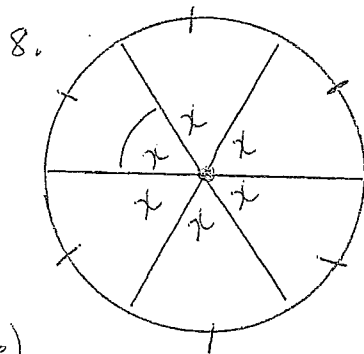
(1) - equilateral Δ
 (2) $\angle x = 30^\circ$ ($1/2$ central \angle)



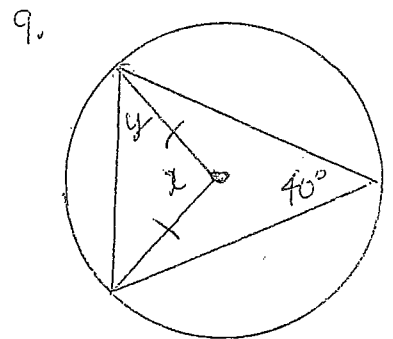
$\angle z = 45^\circ$ ($1/2$ central \angle)



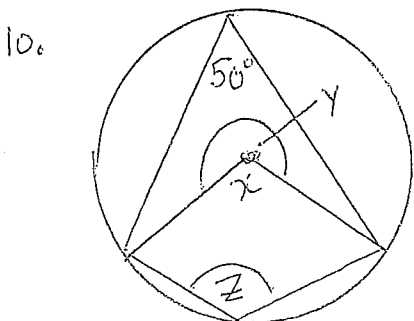
$\angle x = 180^\circ$ (straight line)
 $\angle a = 90^\circ$ ($1/2$ central \angle)



$\angle x = 60^\circ$
 ($6x = 360$)
 (Δ 's with = arcs)

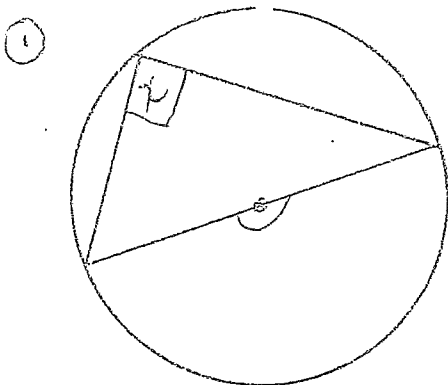


$\angle x = 80^\circ$ (double inscrib Δ)



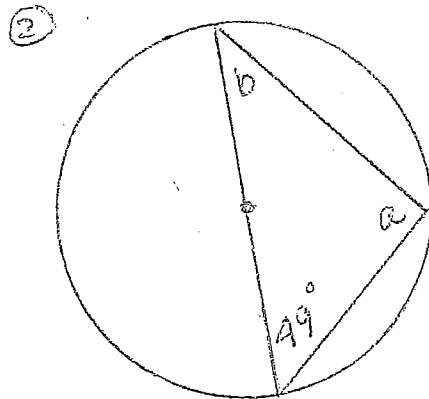
$\angle x = 100^\circ$ (double inscribed Δ)
 $\angle y = 260^\circ$ (Δ 's around a pt add to 360°)
 $\angle z = 130^\circ$ ($1/2$ central Δ)

Semi-circle Property

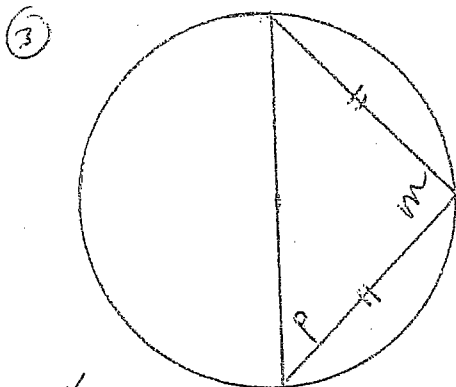


① $\angle x = 90^\circ$ (semicircle property)

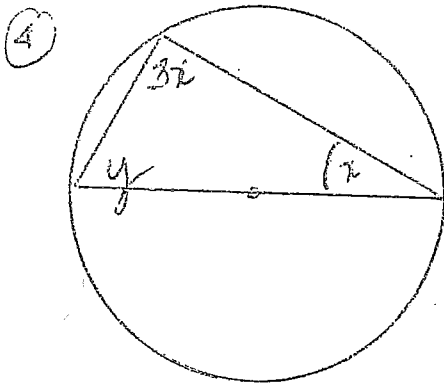
or
($\frac{1}{2}$ central $\angle \rightarrow 180^\circ$
due to straight line)



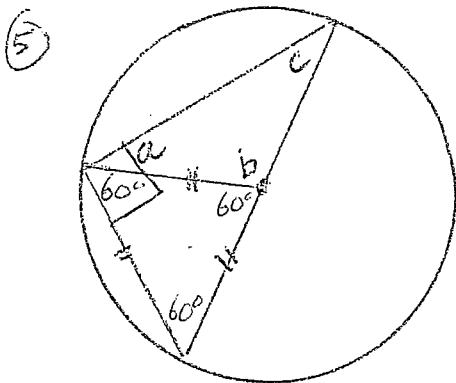
② $\angle a = 90^\circ$
(semicircle property
or
 $\frac{1}{2}$ central \angle)
 $\angle b = 41^\circ$
(Δ 's in a Δ)



③ $\angle m = 90^\circ$ (semicircle property)
 $\angle p = 45^\circ$ (isosceles $\Delta \rightarrow \Delta$'s opp
= sides are =)

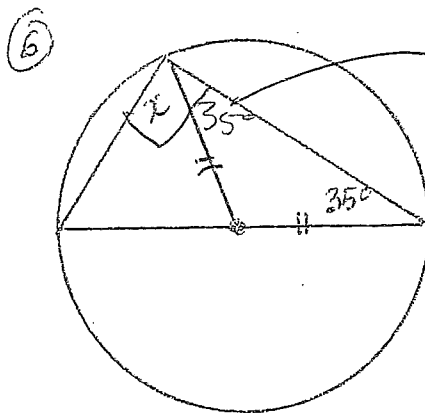


④ $3x = 90^\circ$ (semicircle property)
 $\therefore x = \frac{90}{3} = 30^\circ$
 $\angle y = 60^\circ$
(Δ 's in a Δ)



⑤ $\angle a = 30^\circ \rightarrow$ equilateral Δ i.e. 60°
 $\rightarrow \angle a / 60^\circ$ add to 90°
(semicircle property)

$\angle b = 120^\circ$ (Δ 's on a line)
 $\angle c = 30^\circ$ (Δ 's in a Δ or Δ 's opp = sides)



⑥ (isosceles Δ i.e. Δ 's
opp. = sides are =)
 $\angle x = 90^\circ - 35^\circ = 55^\circ$
 \hookrightarrow total $\angle = 90^\circ$
due to semi
circle property