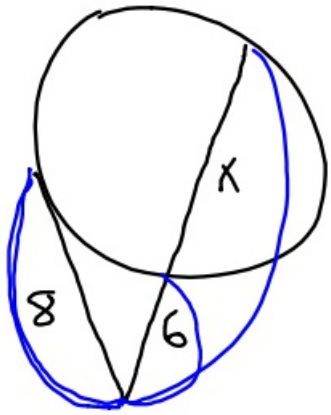
2-9-18 5th Geo

Ch. 9 PT 1

#8



$8 \cdot 8 = 6 \cdot (6+x)$

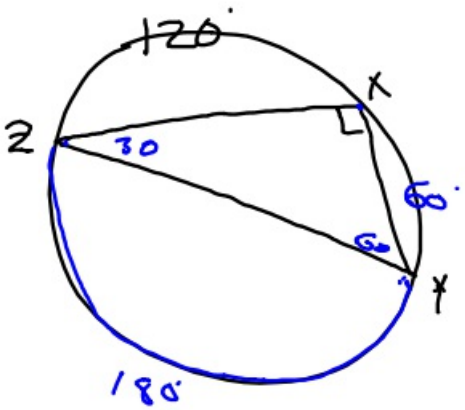
$64 = 36 + 6x$

$-36 \quad -36$

$\frac{28}{6} = \frac{6x}{6}$

$4\frac{2}{3} = x$

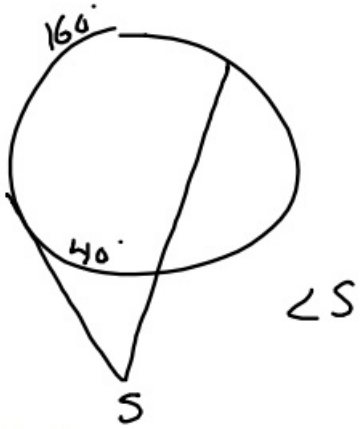
PT 2 #8



$\angle XZY = ?\ 30°$

PT 1

⑤



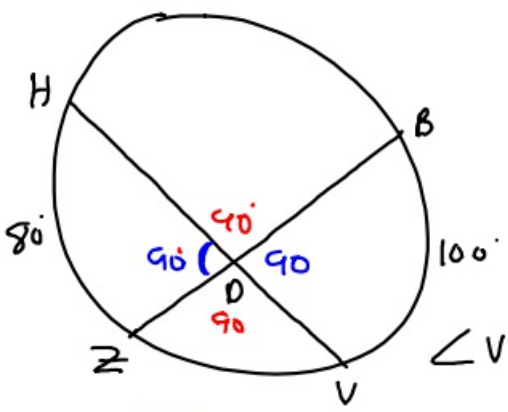
$\angle S$

$\angle S = \frac{1}{2}(160 - 40)$

$\angle S = \frac{1}{2} \cdot 120$

$\angle S = 60°$

(4)



$\angle VDZ =$

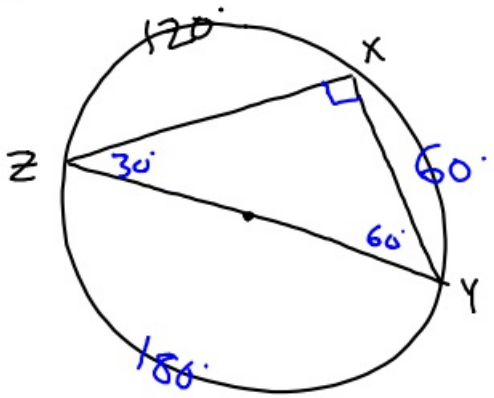
$\angle HDZ = \frac{1}{2}(100+80)$

$= \frac{1}{2} \cdot 180$

$= 90$

PT 2

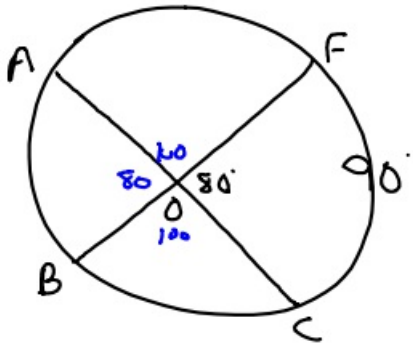
(11)



$\angle XZY = 30$

PT 2

(1)



$\overset{\frown}{AB} = ?$

$280 = 2\frac{1}{2}(90 + \overset{\frown}{AB})$

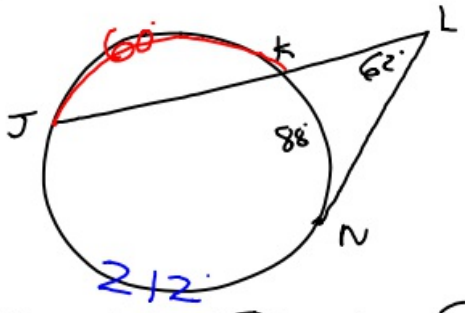
$160 = 90 + \overset{\frown}{AB}$

$-90 \quad -90$

$70 = \overset{\frown}{AB}$

PT 2

#3



$\angle KLN = 62^\circ \quad \overset{\frown}{KN} = 88^\circ, \quad \overset{\frown}{JK} = ?$

$\angle L = \frac{1}{2}(\overset{\frown}{JN} - \overset{\frown}{KN})$

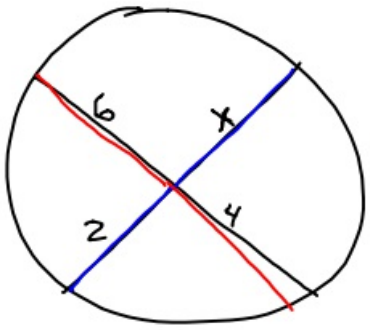
$2 \cdot 62 = 2 \cdot \frac{1}{2}(\overset{\frown}{JN} - 88)$

$124 = \overset{\frown}{JN} - 88$

$+88 \qquad +88$

$212 = \overset{\frown}{JN}$

PT 1 #1

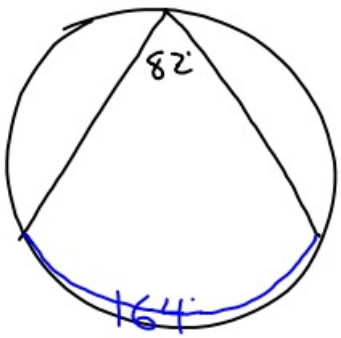


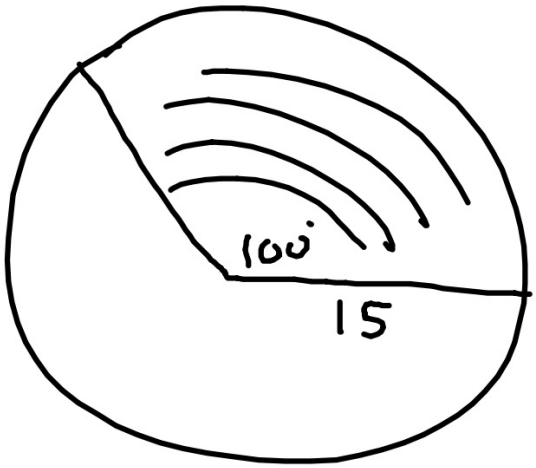
$2 \cdot x = 6 \cdot 4$

$2x = 24$

$x = 12$

PT2 #2

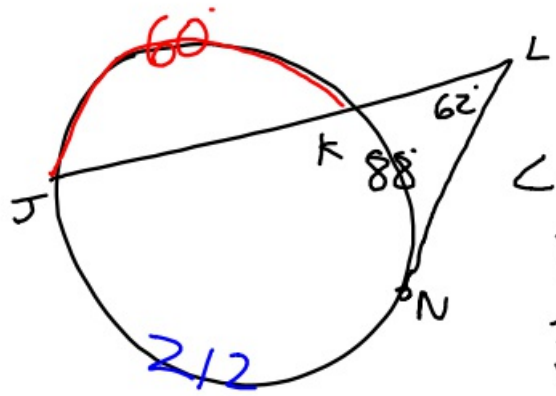




$$\frac{100}{360} \cdot \pi \cdot 15^2$$

2-9-18 6th

PT 2 #3



$\angle KLN = 62$

$\overset{\frown}{KN} = 88$

$\overset{\frown}{JK} = ?$ 60

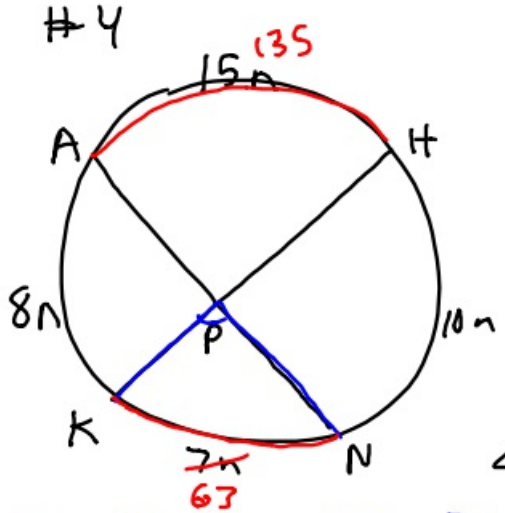
$2 \cdot 62^\circ = 2\frac{1}{2}(\overset{\frown}{JN} - 88)$

$124 = \overset{\frown}{JN} - 88$

$+88 \qquad +88$

$212 = \overset{\frown}{JN}$

PT2 #4



$\angle KPN = ?$

$8n + 7n + 10n + 15n = 360$

$40n = 360$

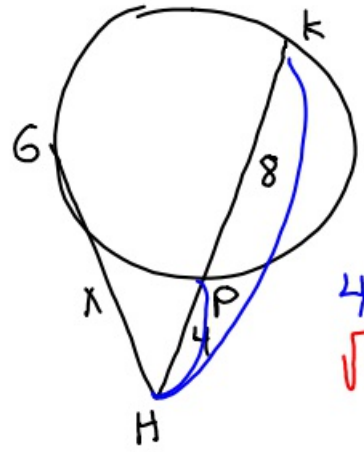
$n = 9$

$\angle KPN = \frac{1}{2}(63 + 135)$

$= \frac{1}{2} \cdot 198$

$= 99$

PT 1 #2

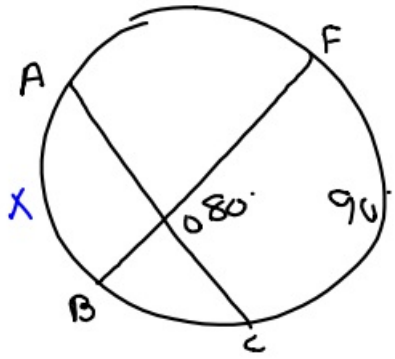


$4 \cdot 12 = x \cdot x$

$\sqrt{48} = \sqrt{x^2}$

$x \approx 6.9$

PT 2 #1



$\angle FOC = 80°$

$\overset{\frown}{FC} = 90°$

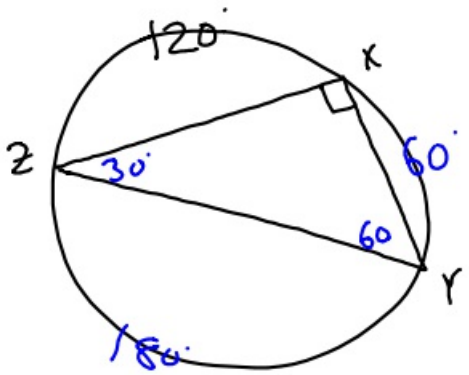
$\overset{\frown}{AB} = ?$

$2 \cdot 80 = \frac{1}{2}(90 + \overset{\frown}{AB})$

$160 = 90 + \overset{\frown}{AB}$

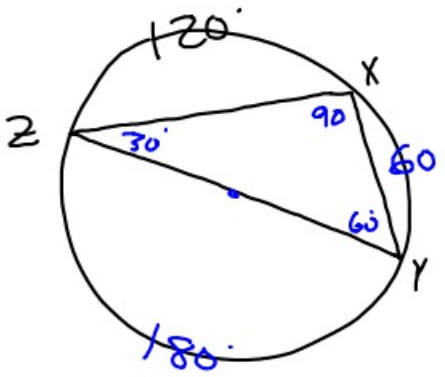
$70 = \overset{\frown}{AB}$

PT 2 #8

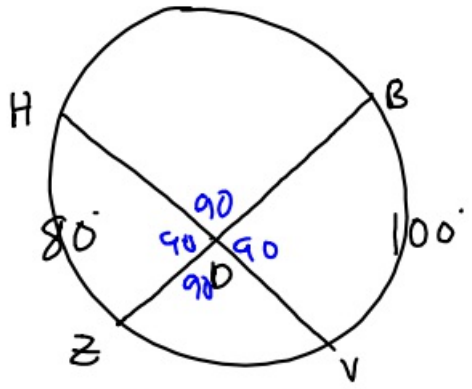


$\angle XZY = ?\ 30°$

PT 2 #11



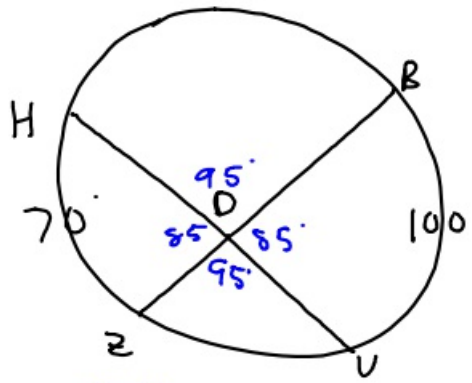
PT 1 #4



$\angle VDZ = ?$

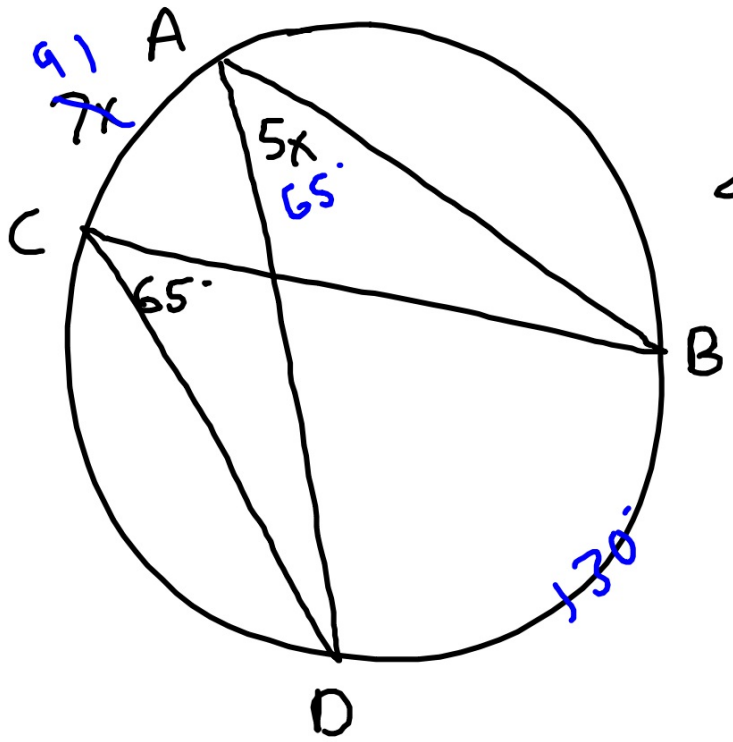
$\frac{1}{2}(80+100) = 90$

PT 1 #10



$\frac{1}{2}(100+70)$

PT2 #12



$\angle ABC = ?$ $\frac{1}{2} \cdot 91$

$45.5°$

$5x = 65°$

$x = 13$