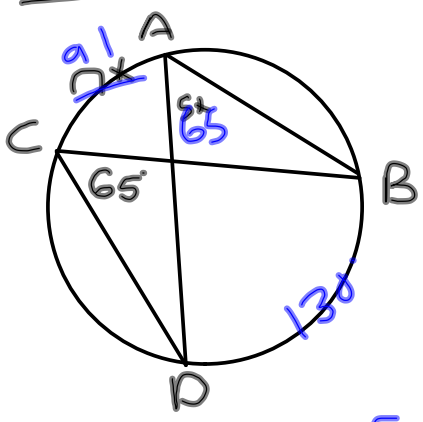
3-20-14
5th Geo

Ch. 9 pt 2



$\angle BAD = 5x$

$\overset{\frown}{AC} = 7x$

$\angle DCB = 65$

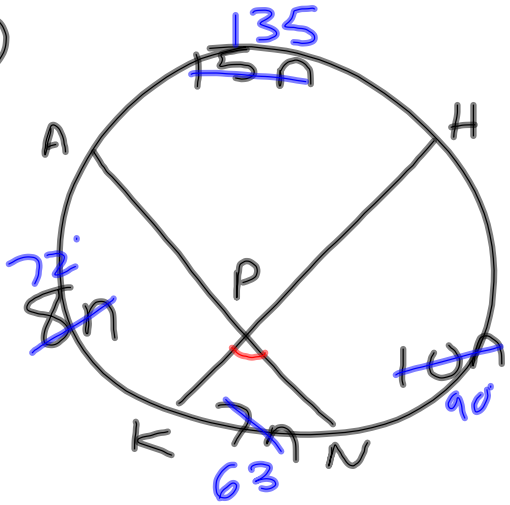
$\angle ABC = ?$ 45.5

$5x = 65$

$x = 13$

$\begin{array}{r} 7 \\ \times 13 \\ \hline 91 \end{array}$

(4)



$\overset{\frown}{AK} = 8n$

$\overset{\frown}{NK} = 7n$

$\overset{\frown}{HN} = 10n$

$\overset{\frown}{AH} = 15n$

$\angle KPN = ?$

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

$40n = 360$

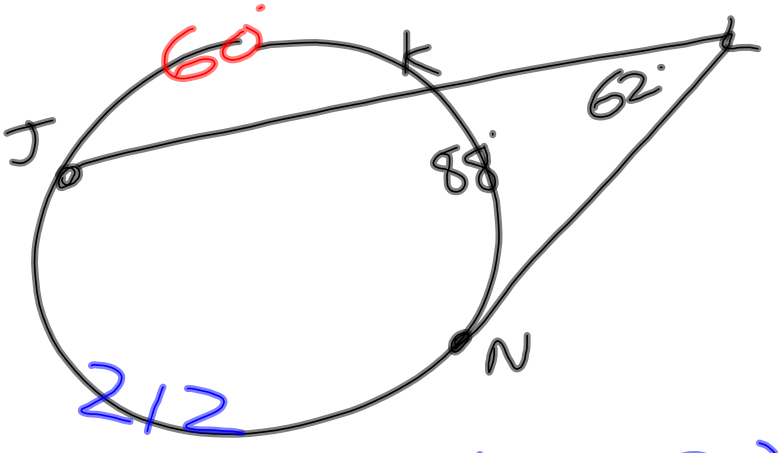
$n = 9$

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

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

$= 99$

(3)



$\angle KLN = 62°$

$\overset{\frown}{KN} = 88°$

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

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

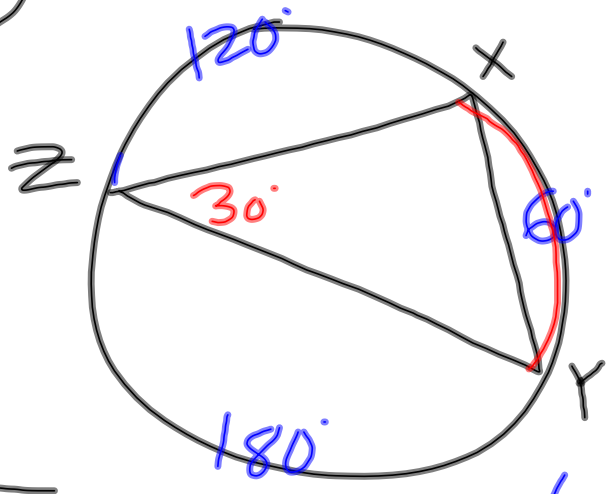
$2 \cdot 62 = 2 \cdot \frac{1}{2}(\overset{\frown}{JN} - 88)$

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

$-88 \quad +88$

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

(11)

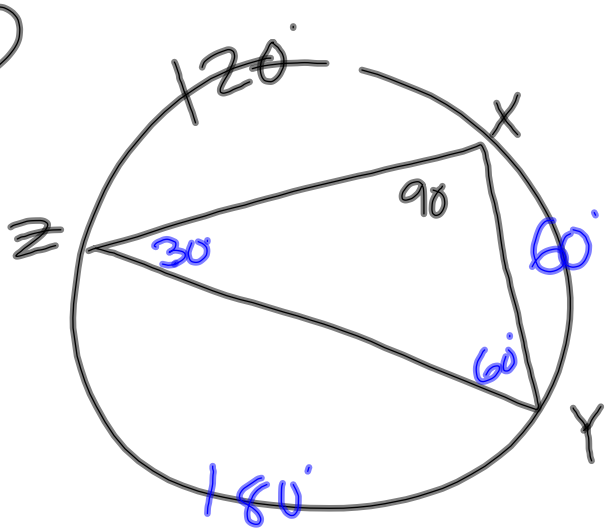


$\overline{YZ}$ is diameter ✓

$\overset{\frown}{XZ} = 120°$

$\angle XZY = ?$

(8)

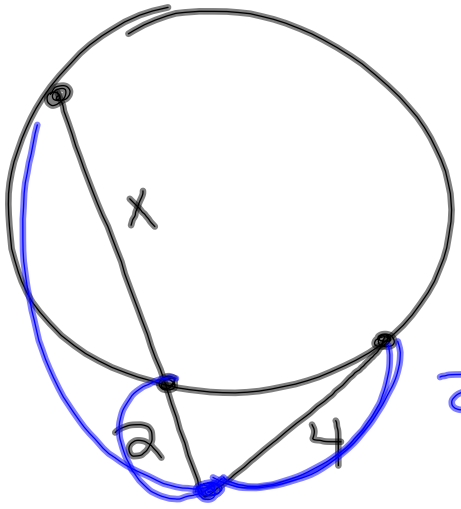


$\overset{\frown}{XZ} = 120°$

$\angle YXZ = 90°$

$\angle XZY = ?$

New practice



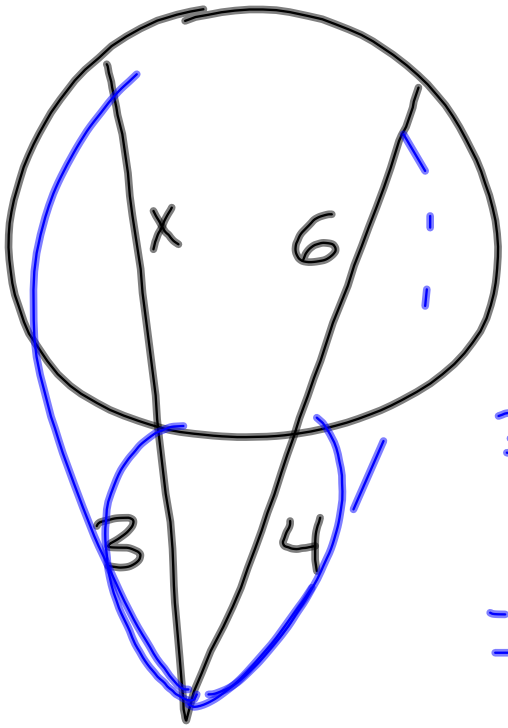
$2 \cdot (2+x) = 4 \cdot 4$

$4 + 2x = 16$

$-4 \quad -4$

$2x = 12$

$x = 6$



$3 \cdot (3 + x) = 4 \cdot 10$

$9 + 3x = 40$

$-9 \qquad -9$

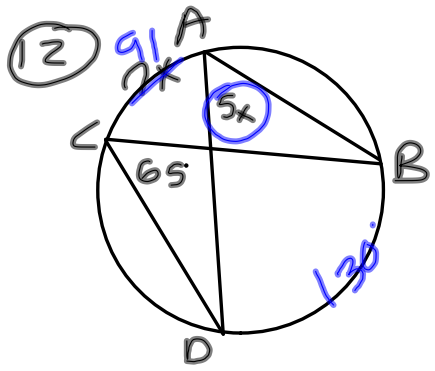
$3x = 31$

$x = 10\ 1/3$

3-20-14
6th Geo

Ch. 9 P+2

(12)



$5x = 65$

$x = 13$

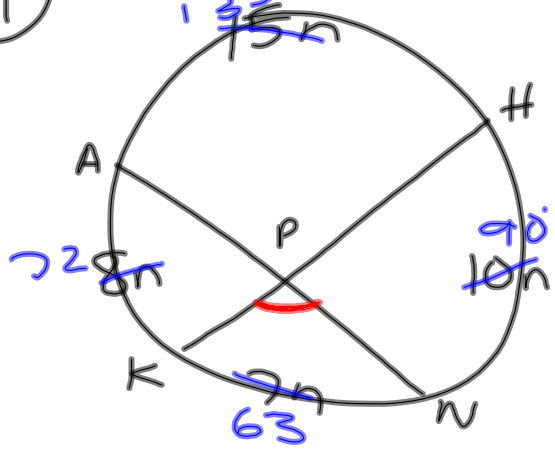
$\angle BAD = 5x$

$\overset{\frown}{AC} = 7x$

$\angle DCB = 65$

$\angle ABC = ?$ → 45.5

(4)



$\overset{\frown}{AK} = 8n$

$\overset{\frown}{NK} = 7n$

$\overset{\frown}{HN} = 10n$

$\overset{\frown}{AH} = 15n$

$\angle KPN = ?$

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

$40n = 360$

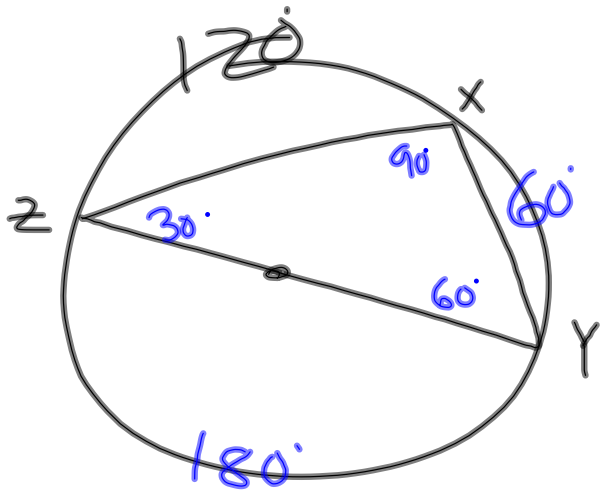
$n = 9$

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

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

$= 99°$

(11)

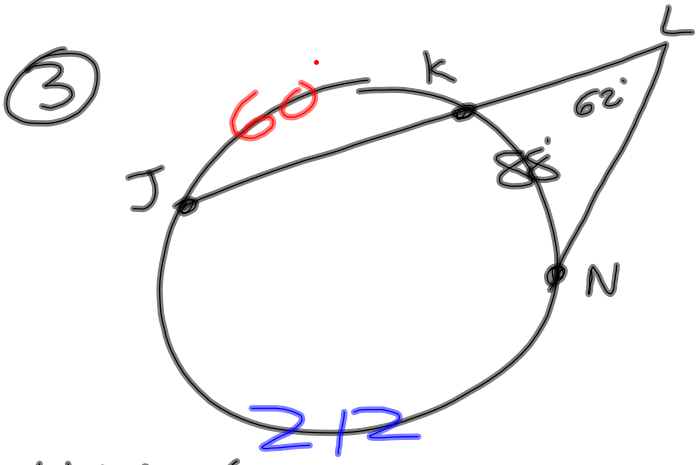


$\overline{YZ}$ is diameter

$\overset{\frown}{XZ} = 120$

$\angle XZY$

(3)



$\angle KLN = 62$

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

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

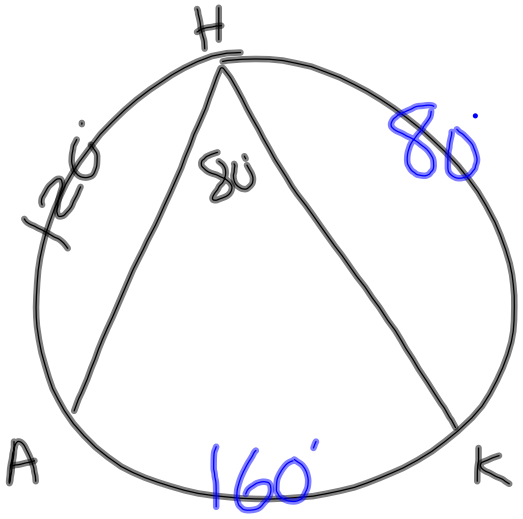
$$2 \cdot 62 = \frac{1}{2} \cdot 2\left(\overset{\frown}{JN} - 88\right)$$

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

$$+88 \qquad +88$$

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

(5)

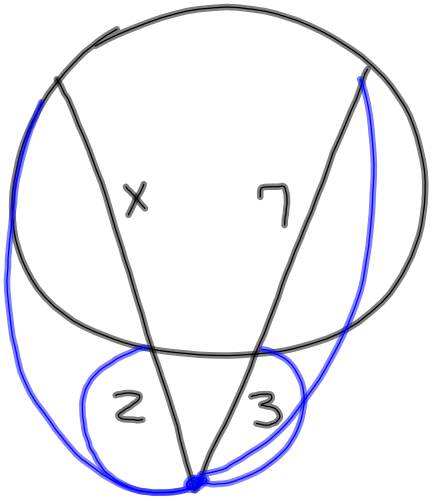


$\angle AHK = 80^\circ$

$\overset{\frown}{HA} = 120$

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

New practice



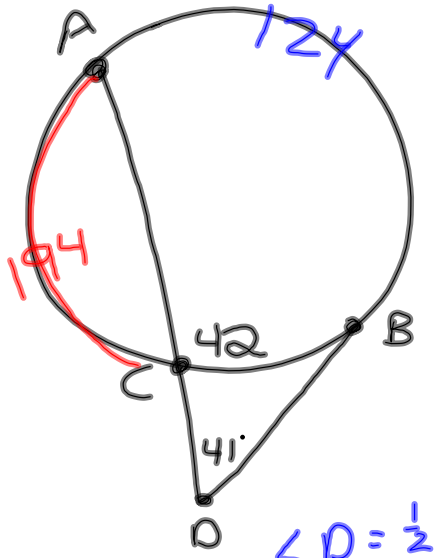
$2 \cdot (2 + x) = 3 \cdot 10$

$4 + 2x = 30$

$-4 \quad -4$

$2x = 26$

$x = 13$



Find $\overset{\frown}{AC}$.

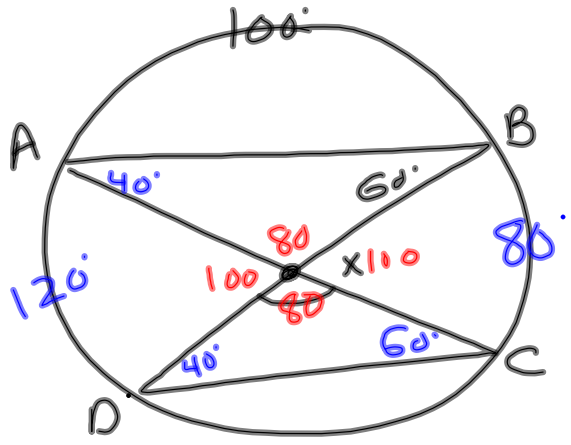
$\angle D = \frac{1}{2}(\overset{\frown}{AB} - \overset{\frown}{CB})$

$2 \cdot 41 = 2\frac{1}{2}(\overset{\frown}{AB} - 42)$

$82 = \overset{\frown}{AB} - 42$

$+42 \qquad +42$

$124 = \overset{\frown}{AB}$



$\overset{\frown}{AB} = 100$

$\angle ABD = 60°$

$\overset{\frown}{BC} = 80°$

$\angle DXC = ?$ 80°