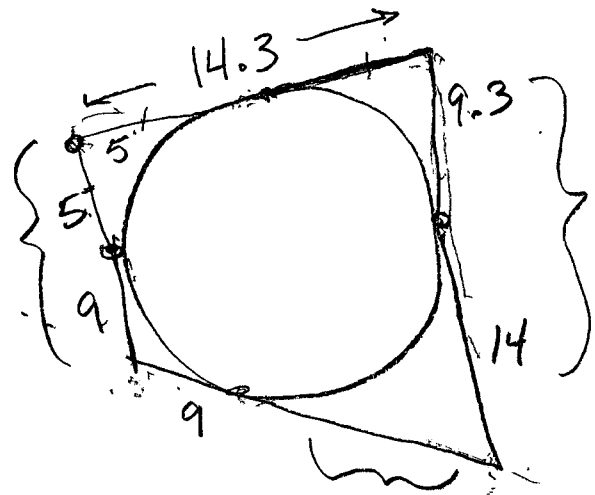


Geometry Weds. 1-9-13

CLASS NOTES

$$\begin{array}{r}
 14.3 \\
 - 9.3 \\
 \hline
 5.0
 \end{array}$$

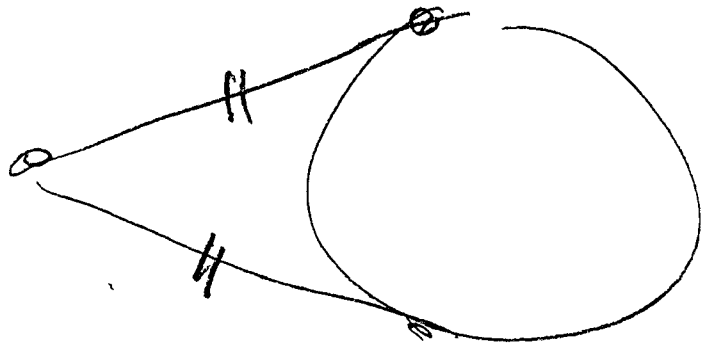
5



$$\begin{array}{l}
 23 - 9 \\
 = 14
 \end{array}$$

- 14.3
- 9.3
- 14.0
- 14.0
- 9.0
- 14.0

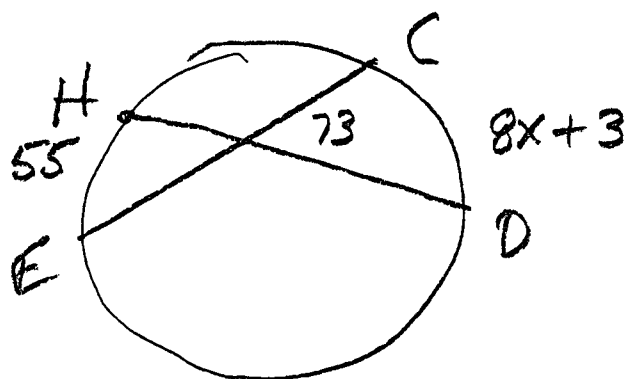
74.6



TANGENTS
ARE
CONGRUENT

Worksheet Practice

(31)



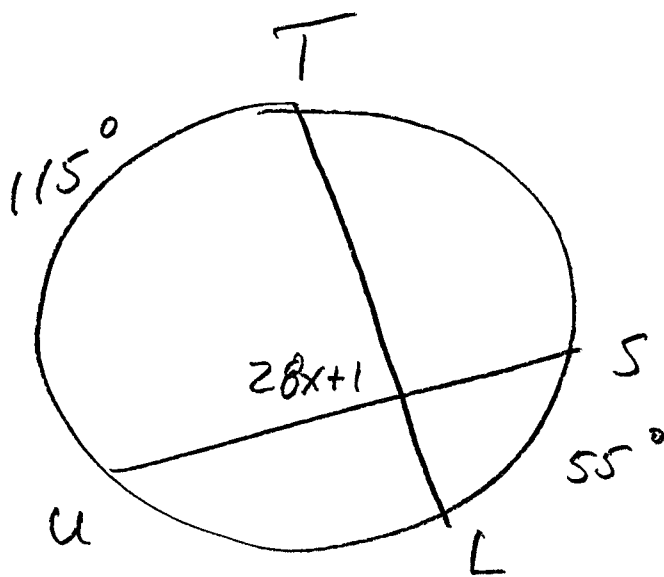
$$\frac{8x+3 + 55}{2} = 73$$

$$\begin{array}{r} 8x + 58 \\ -58 \\ \hline \end{array} = \begin{array}{r} 146 \\ -58 \\ \hline \end{array}$$

$$\frac{8x}{8} = \frac{88}{8}$$

$$\boxed{x = 11}$$

(32)



$$28x + 1 = \frac{115 + 55}{2}$$

$$28x + 1 = \frac{170}{2}$$

$$28x + 1 = 85$$

$$28x = 84$$

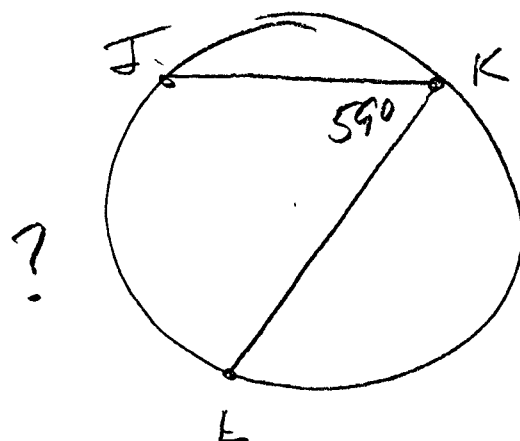
$$\boxed{x = 3}$$

$$\textcircled{33} \quad \frac{50 + 32x + 0}{2} = 19x + 11.$$

$$\begin{array}{r}
 58 + 32x \\
 -32x \\
 \hline
 58 \\
 -22 \\
 \hline
 36 \\
 \hline
 6
 \end{array}
 =
 \begin{array}{r}
 38x + 22 \\
 -32x \\
 \hline
 6x + 22 \\
 -22 \\
 \hline
 6x \\
 \hline
 6
 \end{array}$$

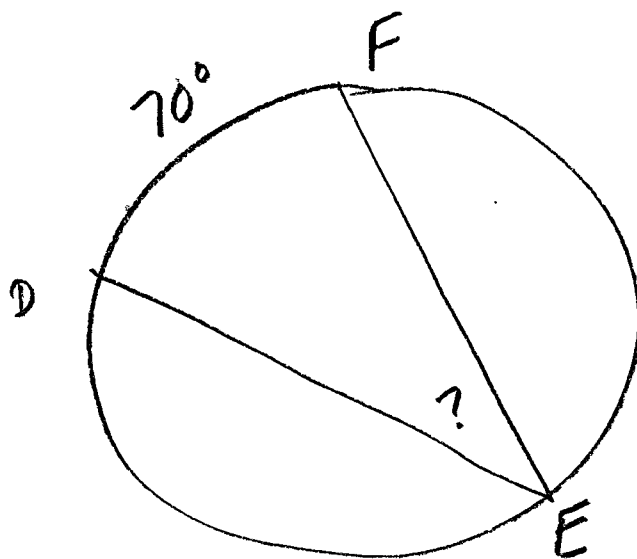
$6 = x$

(44)



$$? = 2(59) = 118^\circ$$

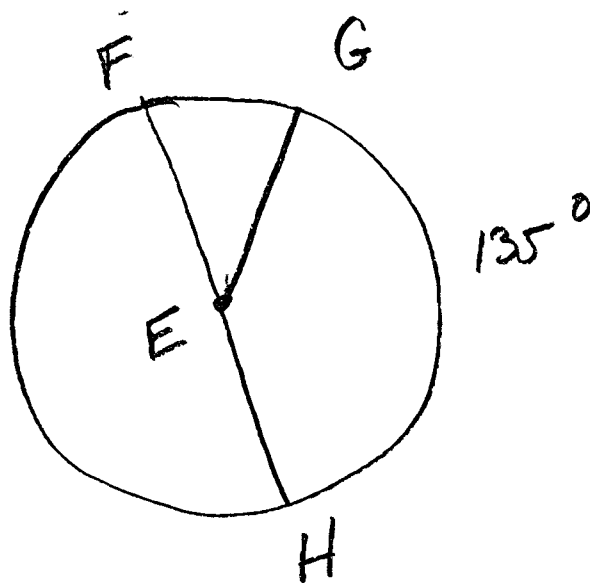
(46)



$$? = \frac{70}{2} = 35^\circ$$

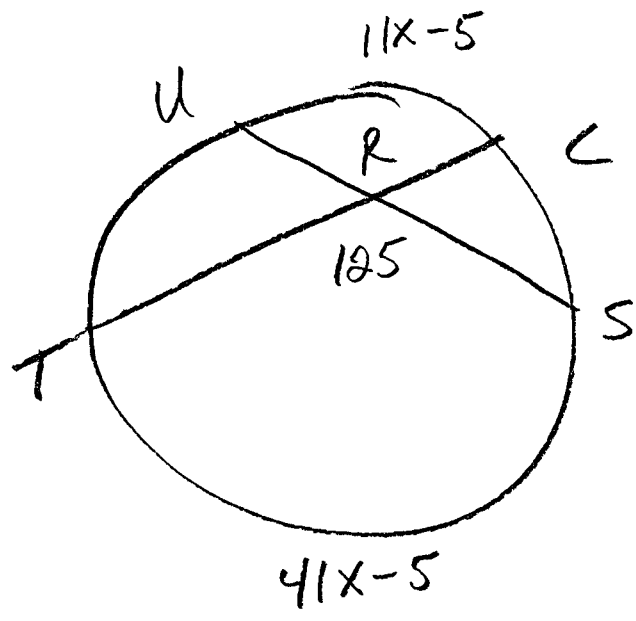
Inscribed Angles

(66)

 $m\angle FEG$ 

$$m\angle FEG = 180 - 135 = 45^\circ$$

34



$$\frac{41x-5 + 11x-5}{2} = 125$$

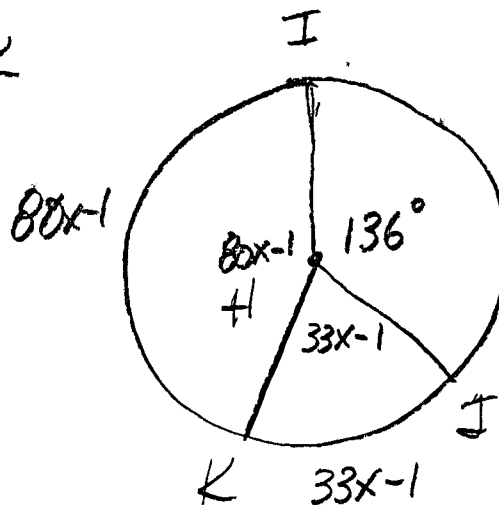
$$52x - 10 = 250$$

$$52x = 260$$

$$x = \frac{260}{52}$$

$$\boxed{x = 5}$$

80 $m \angle JHK$



$$80x - 1 + 136 + 33x - 1 = 360$$

$$\begin{array}{r} 113x + 134 \\ - 134 \\ \hline 113x \end{array} = \begin{array}{r} 360 \\ - 134 \\ \hline 226 \end{array}$$

$$113x = 226$$

$$x = 2$$

$$\begin{aligned} \therefore m \angle JHK &= 33(2) - 1 \\ &= 66 - 1 \end{aligned}$$

$$\boxed{m \angle JHK = 65^\circ}$$