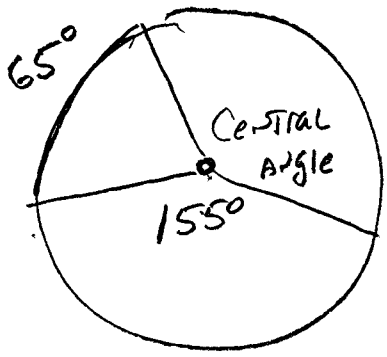
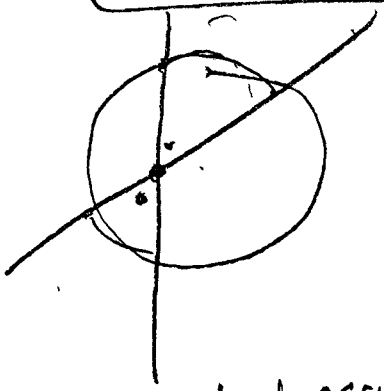
Geometry Thurs. 5-16-13 Class Notes

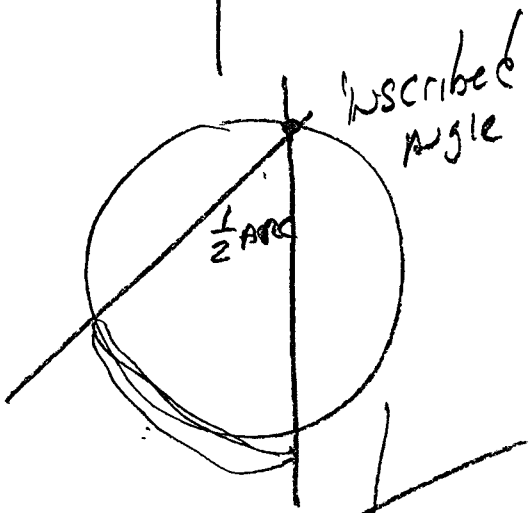
(81)

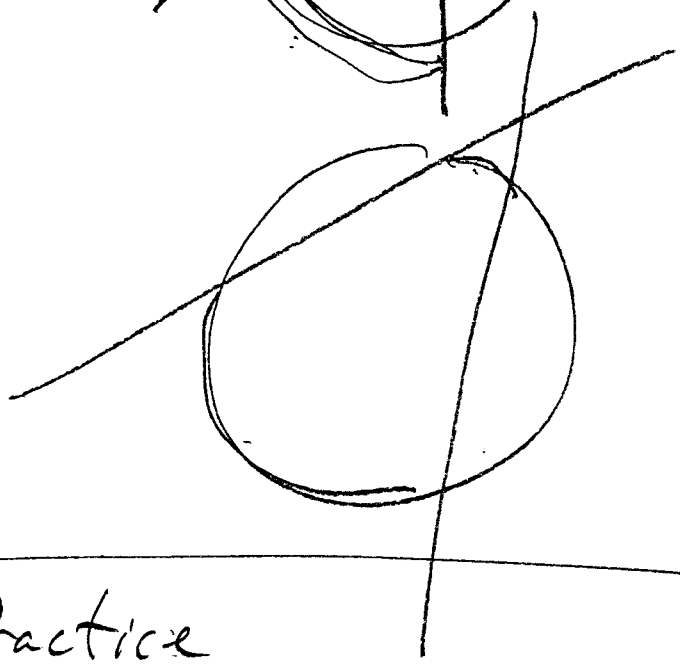


?

155°

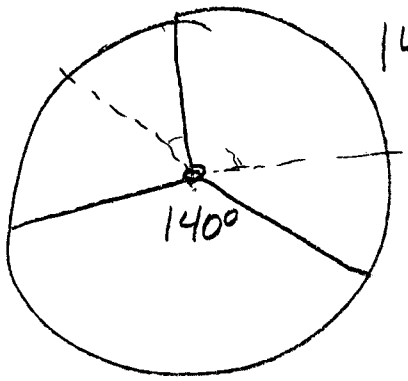






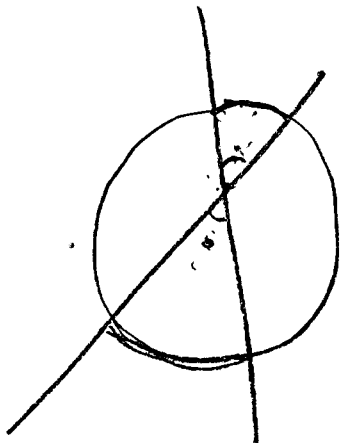
Worksheet Practice

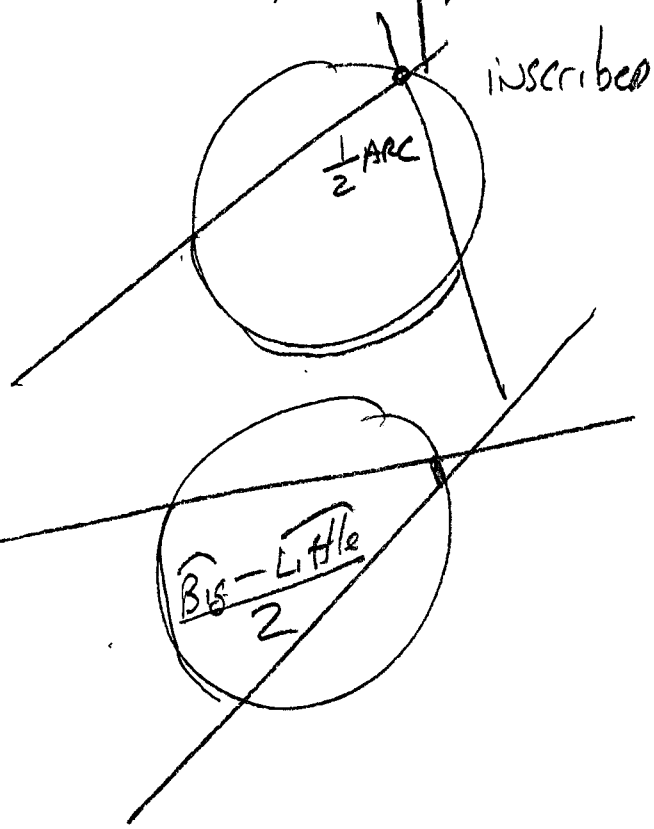
(83)



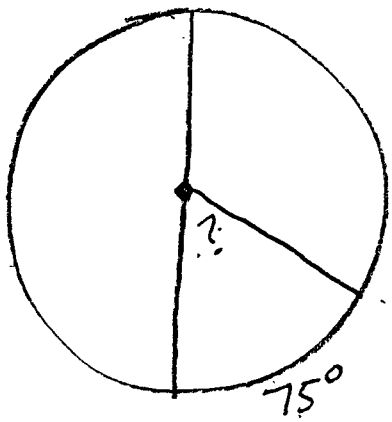
?

140°

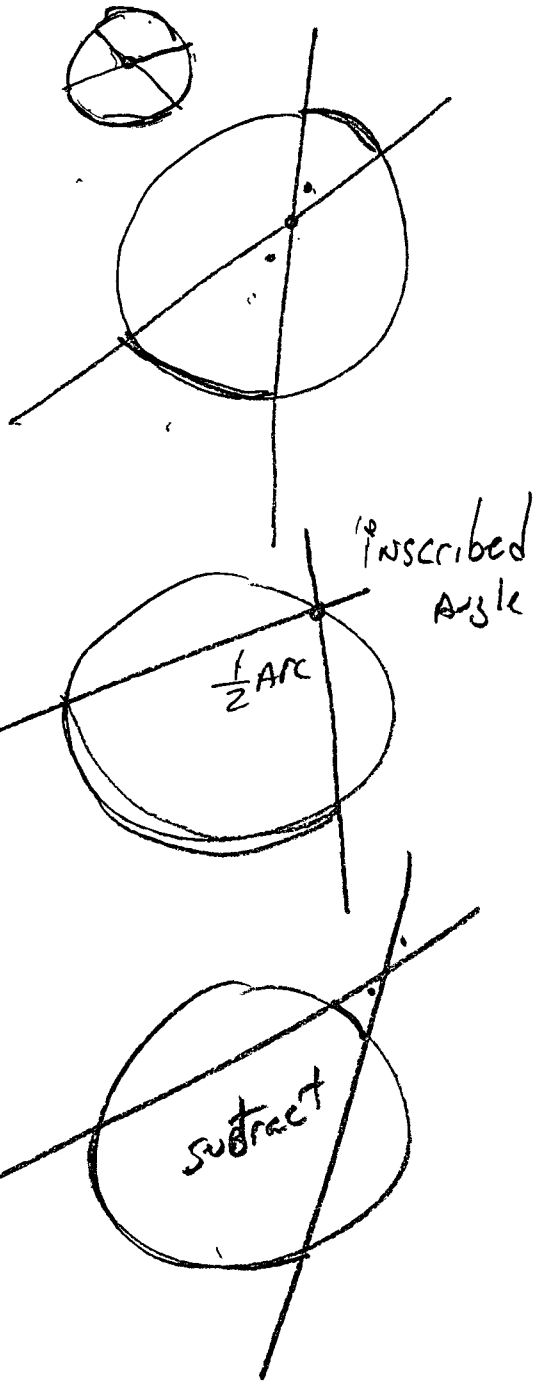




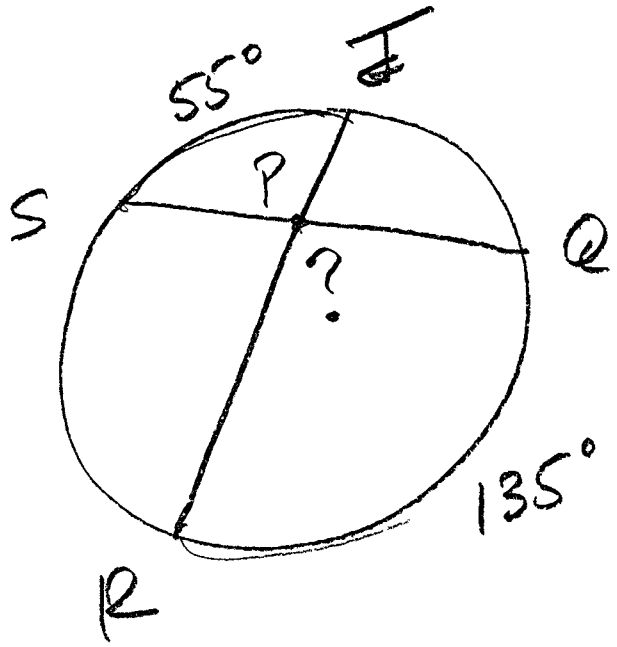
(84)



Central Angle



(85)



$$\frac{135+55}{2} = \frac{190}{2} = \boxed{95^\circ}$$

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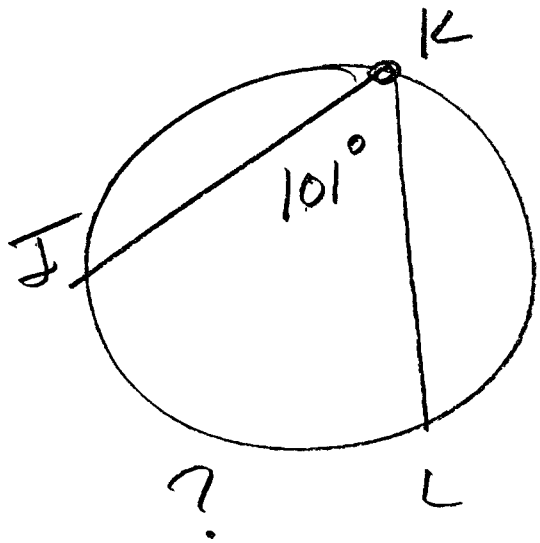
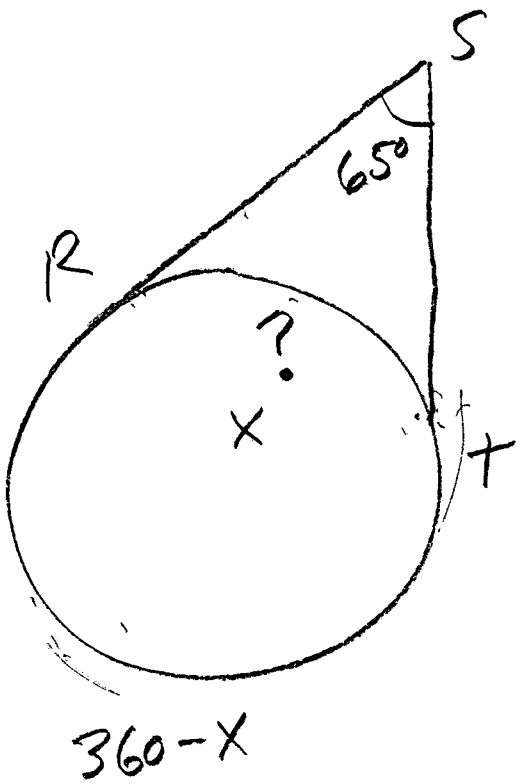
(89)



$\boxed{202^\circ}$

(91)



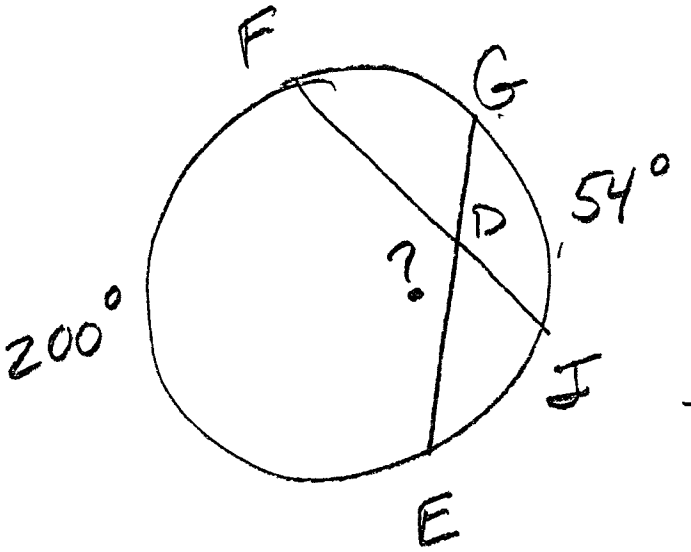
$$\frac{(360-x)-x}{2} = 65$$

$$360-2x = 130$$

$$230 = 2x$$

$$\boxed{115^\circ = x}$$

(86)



$$\frac{200+54}{2} = \boxed{127^\circ}$$

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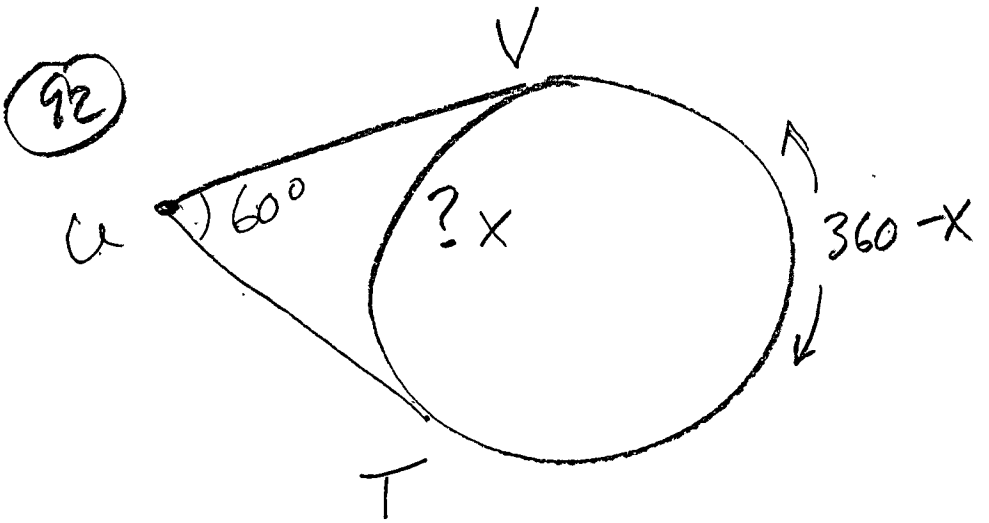
(92)



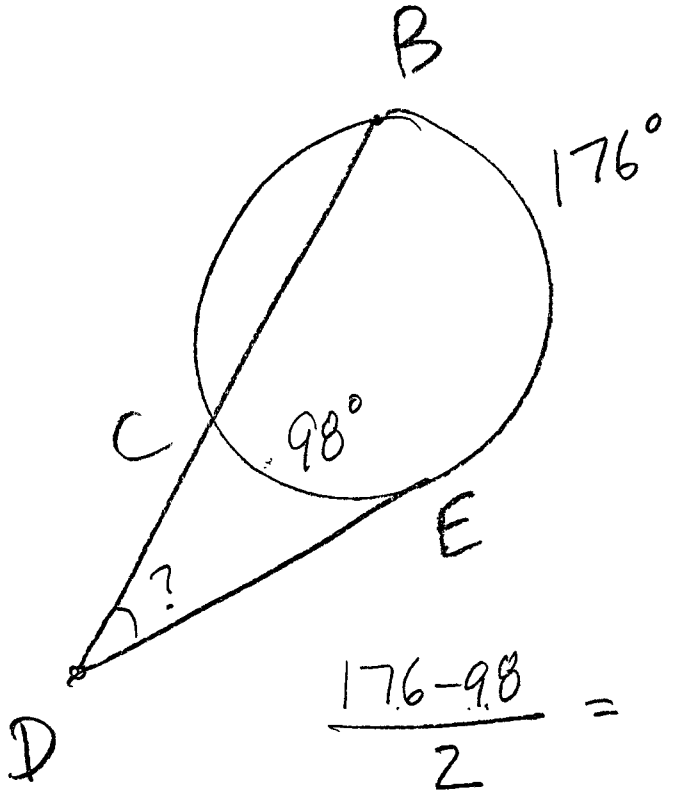
$$\frac{(360-x)-x}{2} = 60$$

$$360-2x = 120$$

$$\frac{360-120}{2} = \frac{2x}{2}$$

$$\boxed{120^\circ = x}$$

(95)



$$\frac{176-98}{2} = \frac{78}{2} = \boxed{39^\circ}$$

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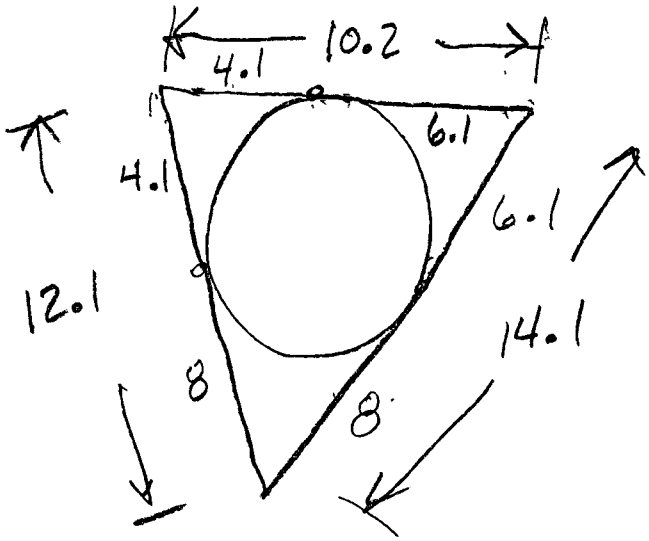
(98)

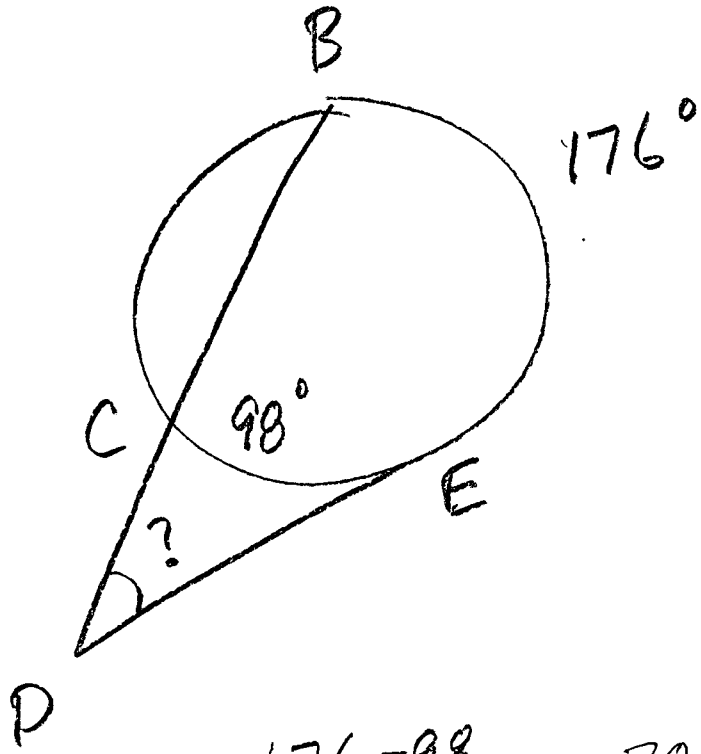


Perimeter = ?

12.1
14.1
10.2

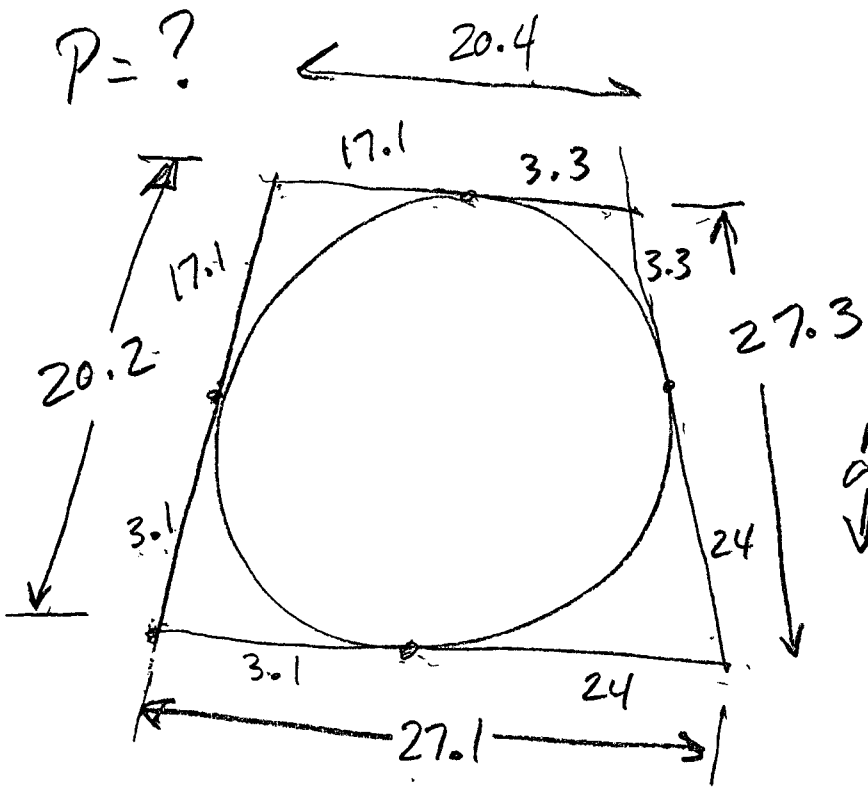
$\boxed{36.4}$

(95)



$$\frac{176-98}{2} = \frac{78}{2} = \boxed{39^\circ}$$

(97)

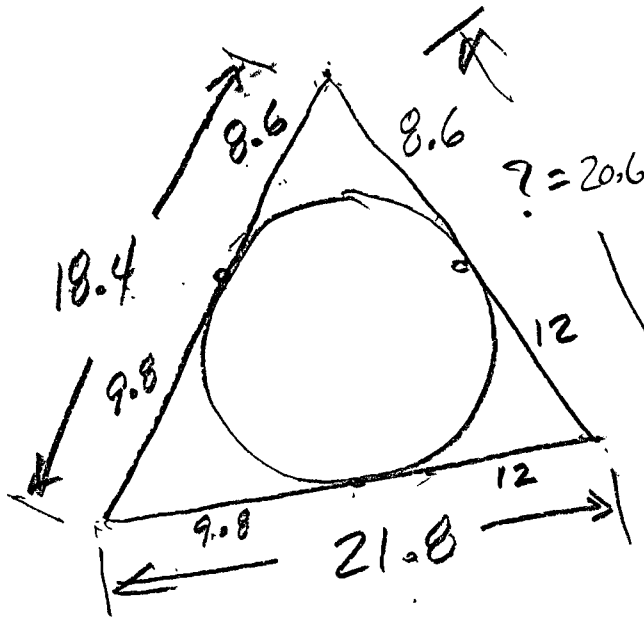


ADD 4 SIDES:

20.4
27.3
27.1
20.2

95.0

(99)

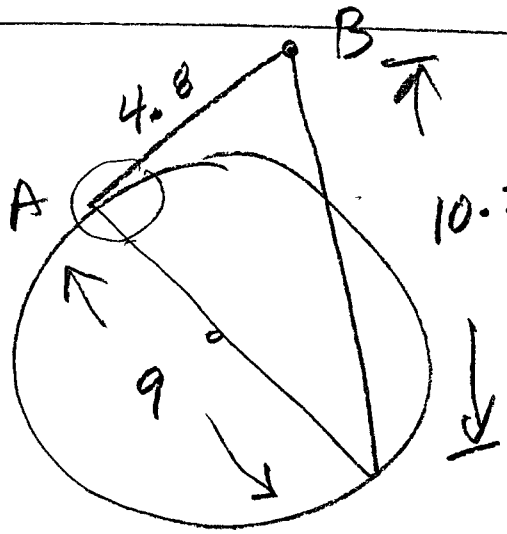


Perimeter = ?

$$\begin{array}{r} 18.4 \\ -\ 8.6 \\ \hline 9.8 \end{array}$$

$$\begin{array}{r} 20.6 \\ 18.4 \\ 21.8 \\ \hline 60.8 \end{array}$$

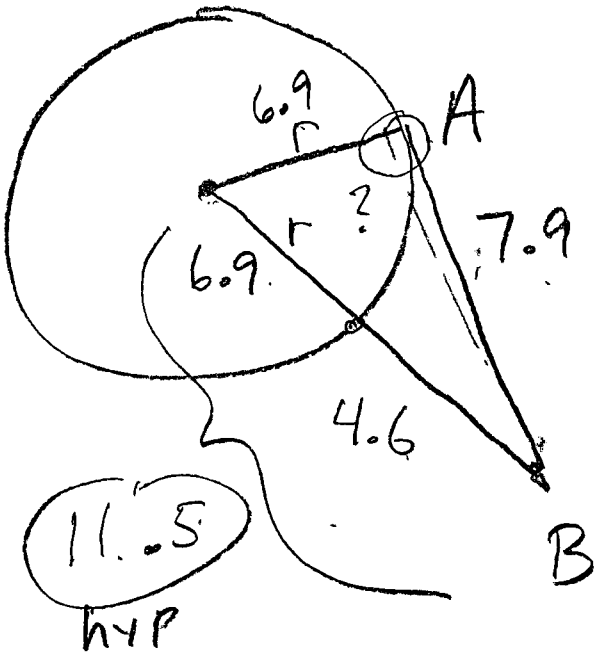
(101)



Is $\overline{AB}$ a tangent?

$$10.2^2 \stackrel{?}{=} 4.8^2 + 9^2$$

(104) Is $\overline{AB}$ tangent?



$6.9^2 + 7.9^2 \stackrel{?}{=} 11.5^2$

$47.61 + 62.41 \stackrel{?}{=} 132.25$

$110.02 \neq 132.25$

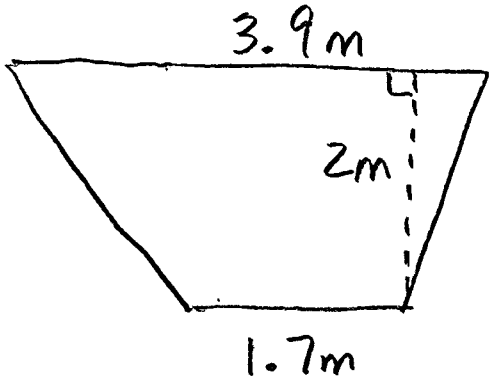
NOT TANGENT

6.9 × 6.9 = 47.61

7.9 × 7.9 = 62.41

11.5 × 11.5 = 132.25

(146)



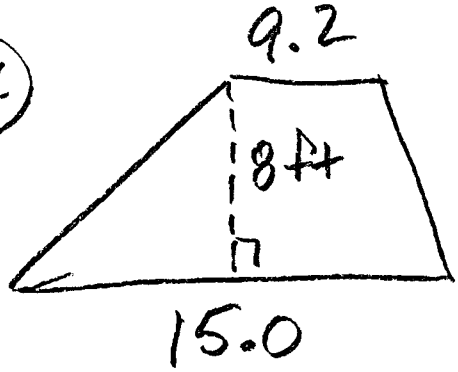
$A = ?$

$A = \frac{1}{2}(b_1 + b_2)\,h$

$A = \frac{1}{2}(3.9 + 1.7)\,2$

$A = 5.6\ m^2$

(Ex)



$A = \frac{1}{2}(b_1 + b_2)\,h$

$= \frac{1}{2}(9.2 + 15)\,8^4$

$= 24.2\,(4)$

$A = 96.8\ ft^2$