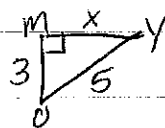


P.347 # 1-21 odd

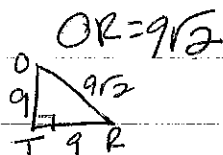
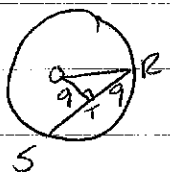
1)



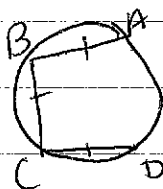
$$x = 4 (3, 4, 5)$$

$$xy = 8$$

3)



5)

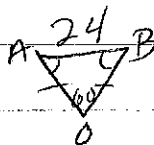


$$m\widehat{BC} = 360$$

$$\begin{array}{r} -120 \\ \hline 240 \\ \hline 3 \end{array}$$

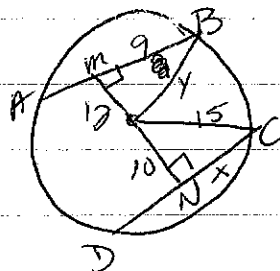
$$m\widehat{BC} = 80^\circ$$

7)



$$OA = 24$$

9)



$$12^2 + 9^2 = y^2$$

$$144 + 81 = y^2$$

$$225 = y^2$$

$$15 = y$$

$$10^2 + x^2 = 15^2$$

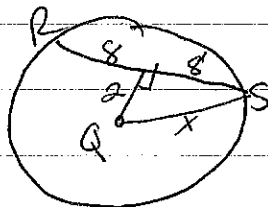
$$100 + x^2 = 225$$

$$x^2 = 125$$

$$x = 5\sqrt{5}$$

$$CD = 10\sqrt{5}$$

11)

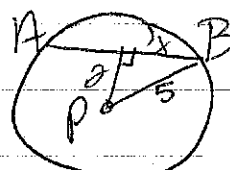


$$2^2 + 8^2 = x^2$$

$$4 + 64 = x^2$$

$$68 = x^2$$

$$2\sqrt{17} = x$$

13) 

$$2^2 + x^2 = 5^2$$

$$4 + x^2 = 25$$

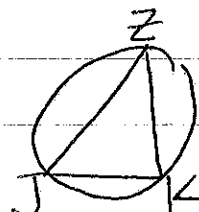
$$x^2 = 21$$

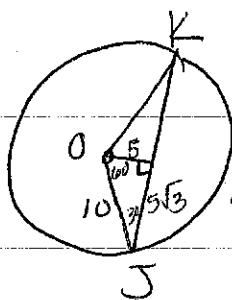
$$x = \sqrt{21}$$

$$AB = 2\sqrt{21} \text{ cm}$$

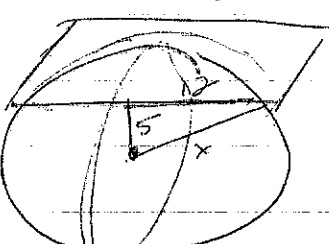
15) Given: $\angle J \cong \angle K$
 Prove: $\overline{JZ} \cong \overline{KZ}$

Statements	Reasons
① $\angle J \cong \angle K$	① Given
② $\overline{JZ} \cong \overline{KZ}$	② Converse of Isos. Δ Thm
③ $\overline{JZ} \cong \overline{KZ}$	③ $\cong$ chords have $\cong$ arcs



17) 

$$JK = 10\sqrt{3}$$

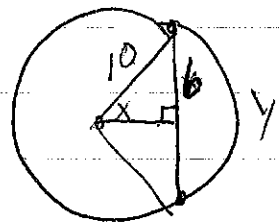
19) 

$$5^2 + x^2 = 12^2$$

$$25 + x^2 = 144$$

$$x^2 = 119$$

$$x = \sqrt{119}$$

21) 

$$\sin x = \frac{6}{10}$$

$$x = \sin^{-1}(\frac{6}{10})$$

$$x \approx 37^\circ$$

$$y \approx 74^\circ$$