

pg 552

HW # 10-6 Answers

① $\overline{OP}$

② $\overline{PN}$

③ $\overline{NK}$

④ $\overline{JL}$

⑤ $\overleftrightarrow{SQ}$

⑥ $\overleftrightarrow{QR}$

answers
may
vary

⑦ $x = 8$

⑧ $x = 7$

⑨ minor arc; 144°

⑩ minor arc; 43°

⑪ minor arc; 110°

⑫ semicircle; 180°

⑬ major arc; 216°

⑭ major arc; 317°

⑮ yes, central $\angle$'s $\cong$ by vertical $\angle$'s
in the same $\odot$

⑯ No, central $\angle$'s $\cong$ but circles not $\cong$
(radii not $\cong$)

⑰ 100°

⑱ 17

⑲ a) 30°

b) 150°

c) 5:00 - answers
may
vary

pg. 585

#33 $x = 5$

#34 $x = 3$

#35 $x = 10$

#36 $r \approx 10.7 \text{ ft}$

