

Day 2 - Arcs & Central Angles – Practice

1. Identify and name each of the following. Be sure to use the correct notation.

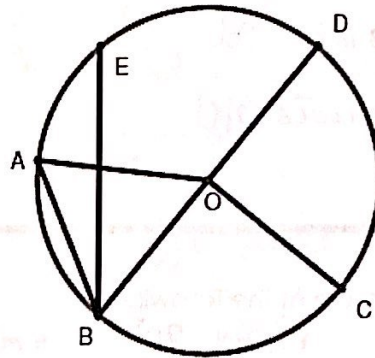
a. Two different central angles $\angle DOC$, $\angle BOC$

b. A minor arc \widehat{BC} or \widehat{DC} or \widehat{AB} or \widehat{ED}

c. A major arc \widehat{ADC} or \widehat{EBC}

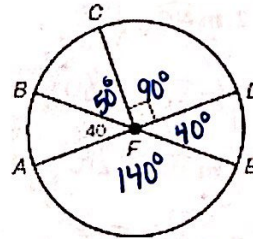
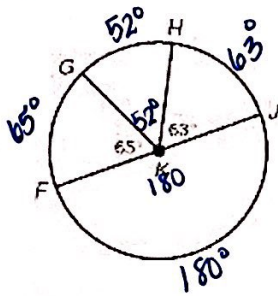
d. A semicircle \widehat{DCB}

e. Two different chords \overline{AB} or \overline{EB} or \overline{DB}



Answers may vary

Find each measure.

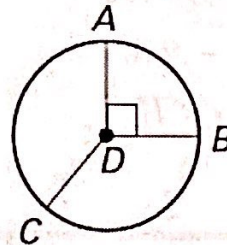
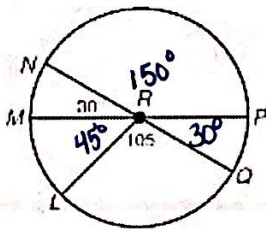


3. $m\widehat{HJ}$ 163°

5. $m\widehat{CE}$ 130°

4. $m\widehat{FHG}$ 295°

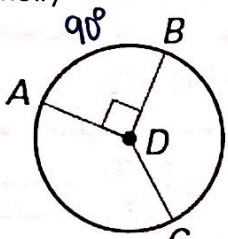
6. $m\widehat{BDC}$ 310°



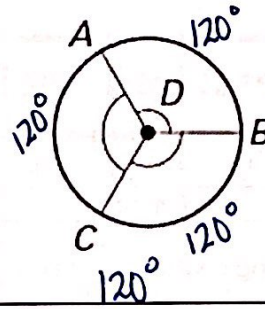
7. $m\widehat{NP}$ 150°

8. $m\widehat{LNP}$ 225°

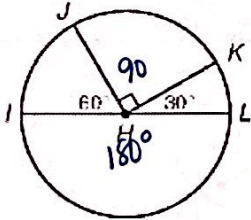
9. $m\widehat{AB}$ 90°



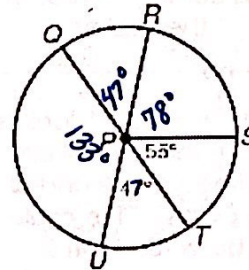
10. $m\widehat{ACB}$ 270°



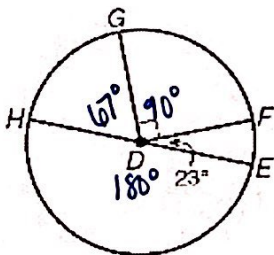
11. $m\widehat{CA}$ 120°



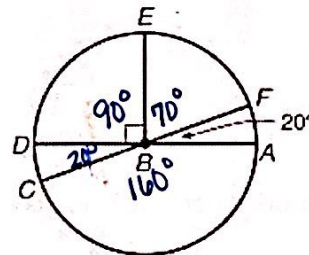
12. $m\widehat{LK}$ 30°, $m\widehat{IK}$ 150°



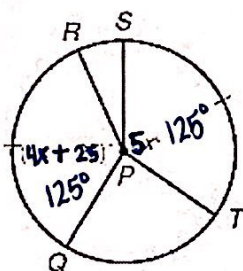
13. $m\widehat{QS}$ 125°, $m\widehat{RQT}$ 227°



14. $m\widehat{HG}$ 67°, $m\widehat{FEH}$ 203°



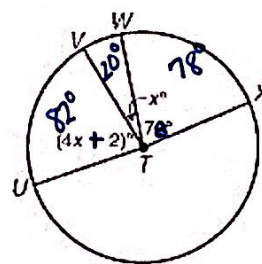
15. $m\widehat{EF}$ 70°, $m\widehat{CEA}$ 200°



$$4x + 25 = 5x$$

$$25 = x$$

16. $\angle QPR$ 125°



$$4x + 2 + x + 78 = 180$$

$$5x + 80 = 180$$

$$5x = 100$$

$$x = 20$$

17. $\angle UTW$ 102°, $m\widehat{UV}$ 82°