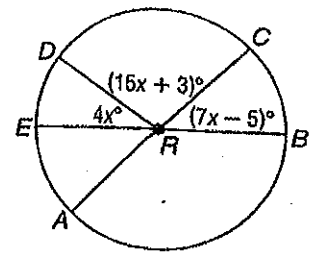


10-2 Skills Practice

M

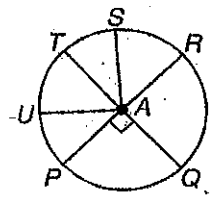
Measuring Angles and Arcs

ALGEBRA In $\odot R$, \overline{AC} and \overline{EB} are diameters. Find each measure.



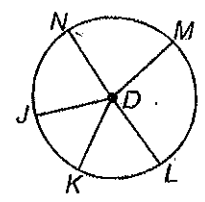
- | | |
|------------------|------------------|
| 1. $m\angle ERD$ | 2. $m\angle CRD$ |
| 3. $m\angle BRC$ | 4. $m\angle ARB$ |
| 5. $m\angle ARE$ | 6. $m\angle BRD$ |

In $\odot A$, $m\angle PAU = 40$, $\angle PAU \cong \angle SAT$, and $\angle RAS \cong \angle TAU$. Find each measure.



- | | |
|----------------------|----------------------|
| 7. $m\widehat{PQ}$ | 8. $m\widehat{PQR}$ |
| 9. $m\widehat{ST}$ | 10. $m\widehat{RS}$ |
| 11. $m\widehat{RSU}$ | 12. $m\widehat{STP}$ |
| 13. $m\widehat{PQS}$ | 14. $m\widehat{PRU}$ |

The diameter of $\odot D$ is 18 units long. Find the length of each arc for the given angle measure.



- | | |
|--|--|
| 15. \widehat{LM} if $m\angle LDM = 100$ | 16. \widehat{MN} if $m\angle MDN = 80$ |
| 17. \widehat{KL} if $m\angle KDL = 60$ | 18. \widehat{NJK} if $m\angle NDK = 120$ |
| 19. \widehat{KLM} if $m\angle KDM = 160$ | 20. \widehat{JK} if $m\angle JDK = 50$ |

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Lesson 10-2