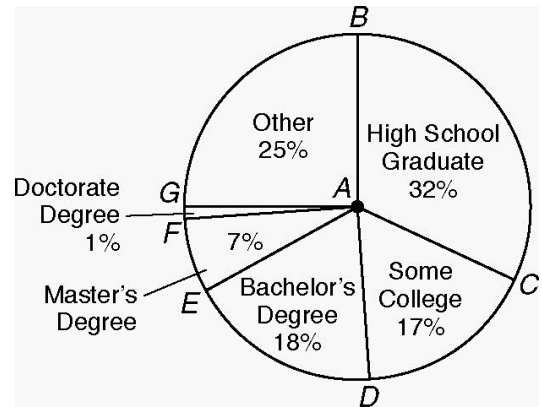


The circle graph shows data collected by the U.S. Census Bureau in 2004 on the highest completed educational level for people 25 and older. Use the graph to find each of the following. Round to the nearest tenth if necessary.



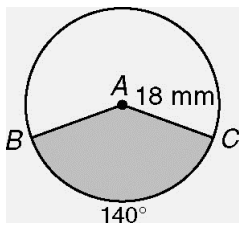
1. $m\angle CAB =$

2. $m\angle EAC =$

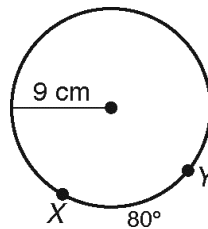
3. $m\widehat{BDE} =$

Give answers in terms of π .

4. area of sector BAC

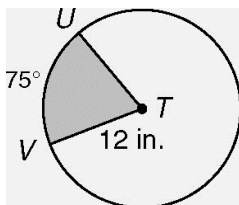


5. length of \widehat{XY}

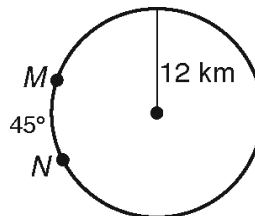


Give answers for #6-7 rounded to the nearest tenth.

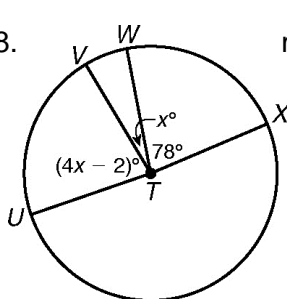
6. area of sector UTV



7. length of \widehat{AB}

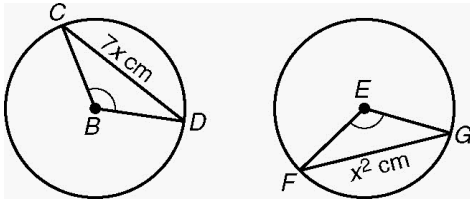


8. $m\widehat{XUV} =$

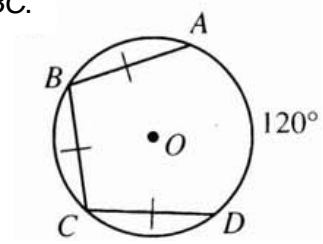


Solve each problem.

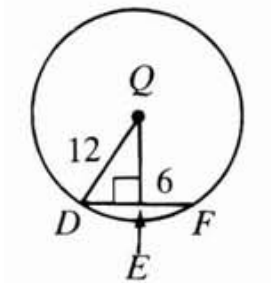
9. Circle $B \cong$ Circle E . Find CD .



10. Find $m \widehat{BC}$.



11. Find QE in simplest radical form.



12. The diameter of $\odot R$ is 15 units, and $HJ = 12$ units. What is the length of \overline{RS} ?

