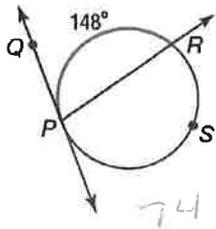


Name _____

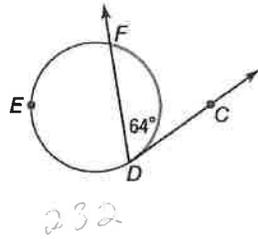
Date _____

Find the indicated arc, angle, or variable.

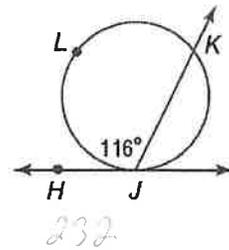
1) $m\angle QPR$



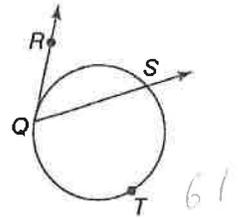
2) $m\widehat{DEF}$



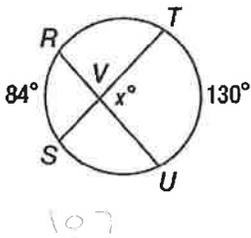
3) $m\widehat{LK}$



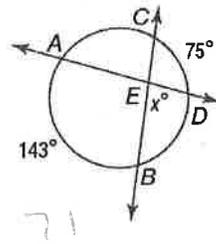
4) Find $m\angle RQS$ if $m\widehat{QTS} = 238$



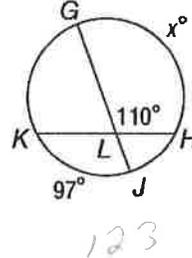
5) Find x .



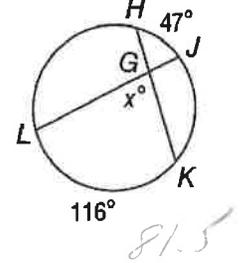
6) Find x .



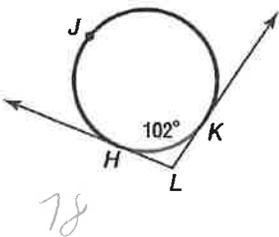
7) Find x .



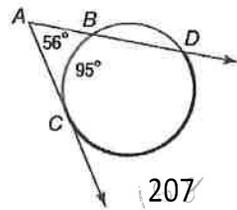
8) Find x .



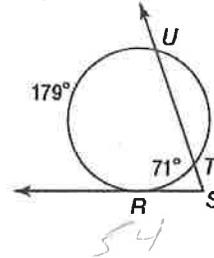
9) $m\angle L$



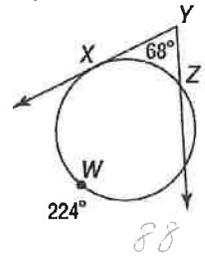
10) $m\widehat{CD}$



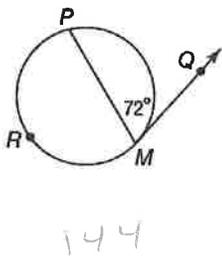
11) $m\angle S$



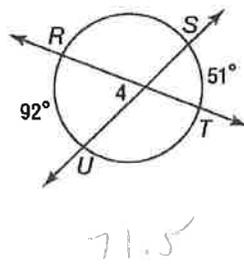
12) $m\widehat{XZ}$



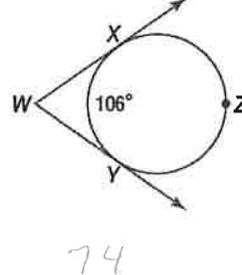
13) $m\widehat{PM}$



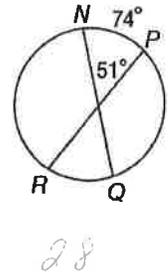
14) $m\angle 4$



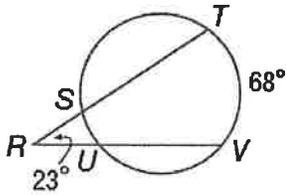
15) $m\angle W$



16) $m\widehat{RQ}$

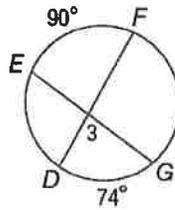


17) $m\widehat{SU}$



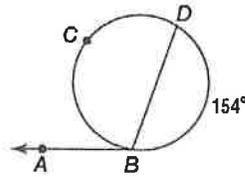
22

18) $m\angle 3$



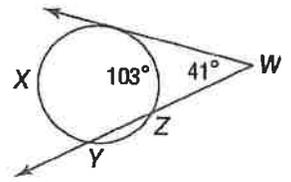
82

19) $m\angle ABD$



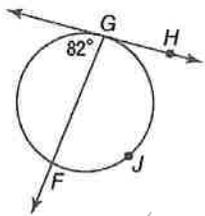
103

20) $m\widehat{XY}$



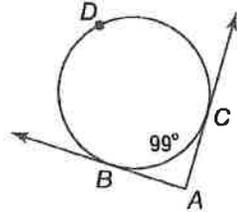
185

21) $m\widehat{GF}$



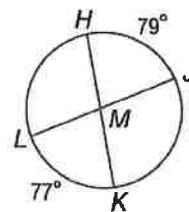
196

22) $m\angle A$



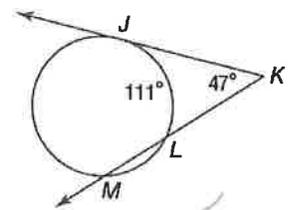
81

23) $m\angle JMK$



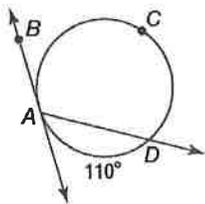
102

24) $m\widehat{JM}$



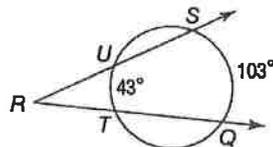
205

25) $m\angle DAB$



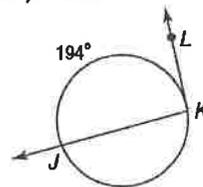
125

26) $m\angle R$



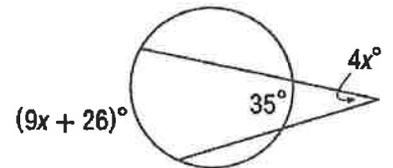
30

27) $m\angle K$



97

28) Solve for x

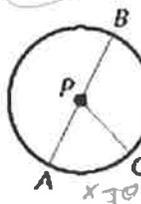


$$4x = \frac{1}{2}(9x + 26 - 35)$$

$$8x = 9x - 9$$

$$x = 9$$

29) Find $m\widehat{BC}$ and $m\widehat{BAC}$



$$110$$

$$250$$

$$110$$

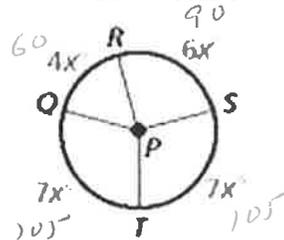
$$(2x - 30)$$

$$x$$

$$3x - 30 = 180$$

$$x = 70$$

30) Find $m\widehat{RS}$, $m\widehat{QT}$, $m\widehat{RT}$ and $m\widehat{STR}$



$$90$$

$$255$$

$$165$$

$$270$$

$$90$$

$$60$$

$$4x$$

$$6x$$

$$7x$$

$$7x$$

$$105$$

$$105$$

$$24x = 360$$

$$x = 15$$