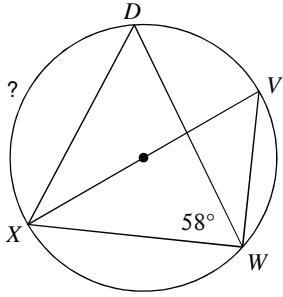


Circles: Angle Relationships

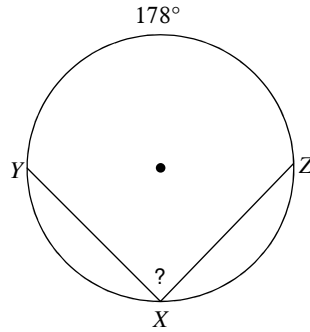
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Find the measure of the arc or angle indicated.

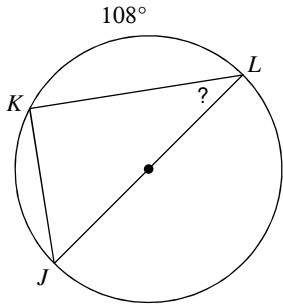
1)



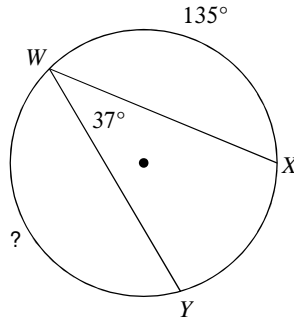
2)



3)

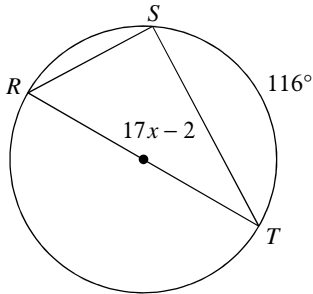


4)

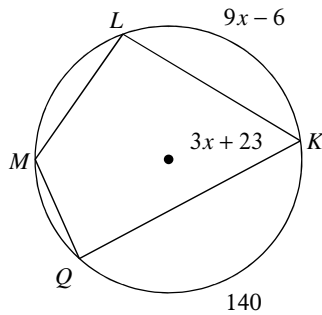


Solve for x.

5)

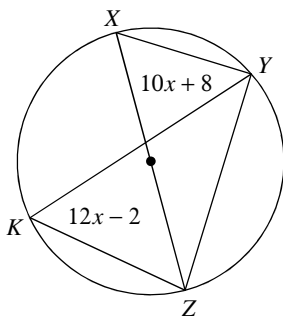


6)

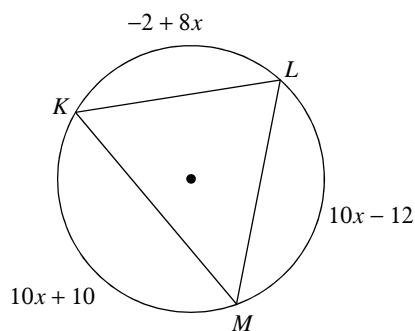


Find the measure of the arc or angle indicated.

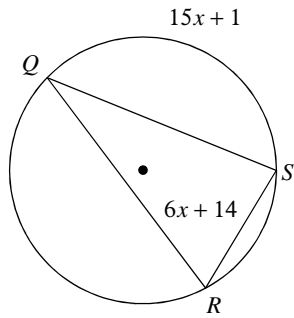
7) Find $m\widehat{YZ}$



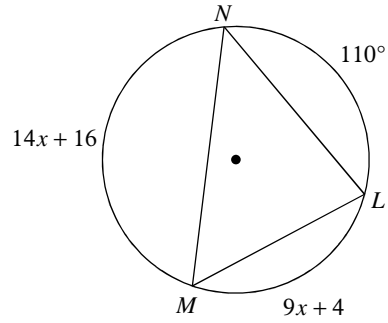
8) Find $m\widehat{LM}$



9) Find $m\angle SRQ$

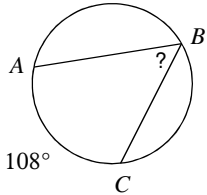


10) Find $m\angle NLM$

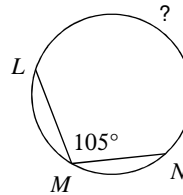


Find the measure of the arc or angle indicated. Assume that lines which appear tangent are tangent.

11)

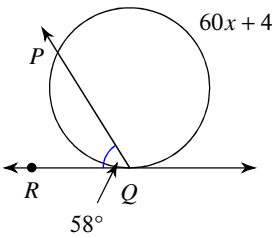


12)

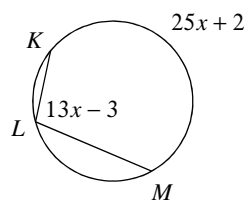


Solve for x . Assume that lines which appear tangent are tangent.

13)

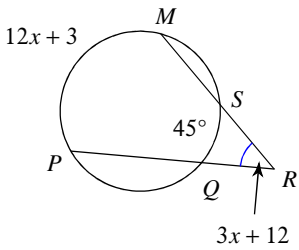


14)

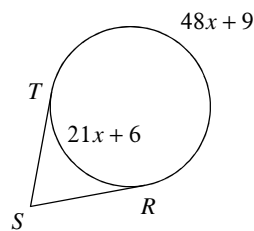


Find the measure of the arc or angle indicated. Assume that lines which appear tangent are tangent.

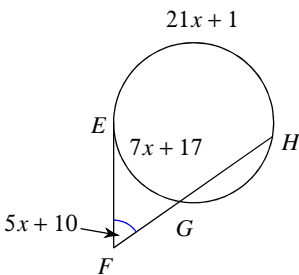
15) Find $m\widehat{MP}$



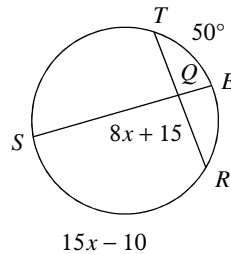
16) Find $m\widehat{RT}$



17) Find $m\widehat{EG}$



18) Find $m\widehat{RS}$

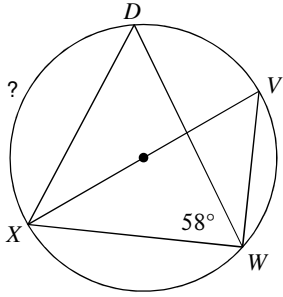


Circles: Angle Relationships

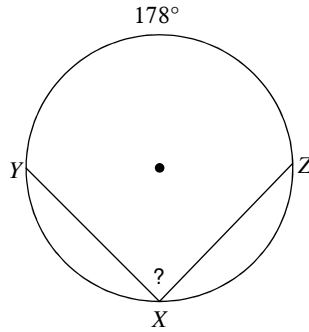
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Find the measure of the arc or angle indicated.

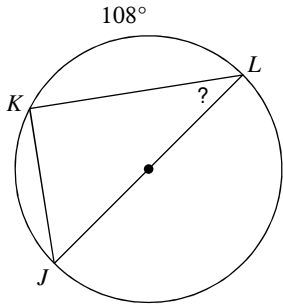
1) 116°



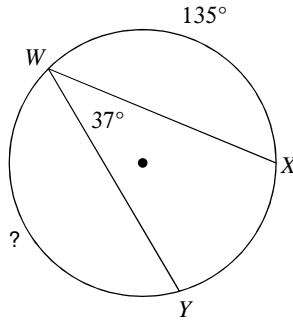
2) 89°



3) 36°

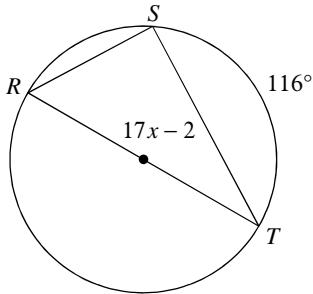


4) 151°

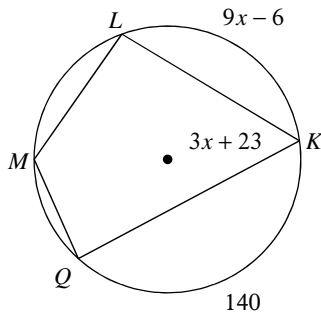


Solve for x.

5) 2

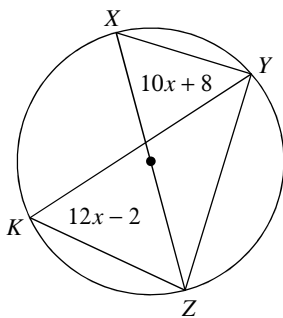


6) 12

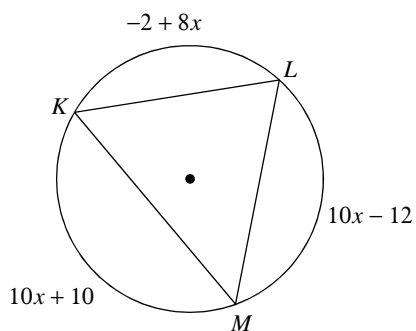


Find the measure of the arc or angle indicated.

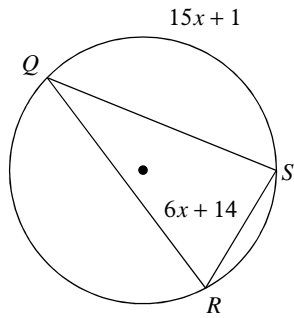
7) Find $m\widehat{YZ}$ 116°



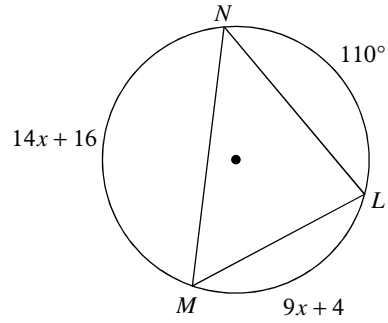
8) Find $m\widehat{LM}$ 118°



9) Find $m\angle SRQ$ 68°

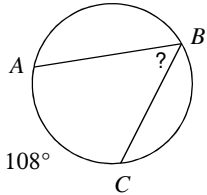


10) Find $m\angle NLM$ 78°

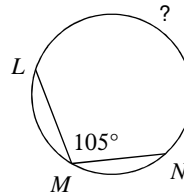


Find the measure of the arc or angle indicated. Assume that lines which appear tangent are tangent.

11) 54°

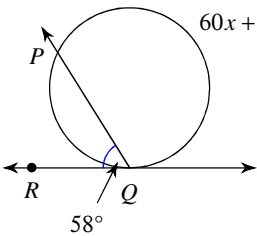


12) 210°

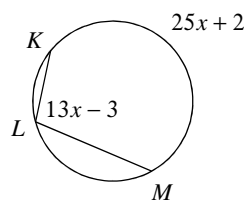


Solve for x . Assume that lines which appear tangent are tangent.

13) 4

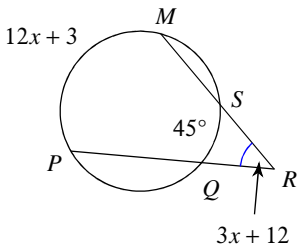


14) 8

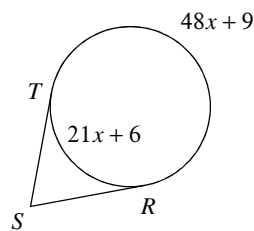


Find the measure of the arc or angle indicated. Assume that lines which appear tangent are tangent.

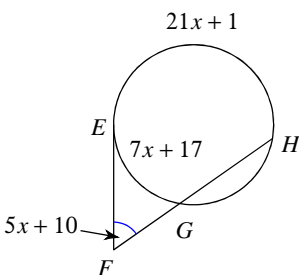
15) Find $m\widehat{MP}$ 135°



16) Find $m\widehat{RT}$ 111°



17) Find $m\widehat{EG}$ 80°



18) Find $m\widehat{RS}$ 140°

