

Q3HW6

Date_____ Period_____

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Use the information provided to write the standard form equation of each circle.

1) $x^2 + y^2 - 18x + 14y + 81 = 0$

2) $x^2 + y^2 - 24x + 32y + 391 = 0$

3) $x^2 + y^2 - 24x + 14y + 192 = 0$

4) $x^2 + y^2 - 4x - 10y - 52 = 0$

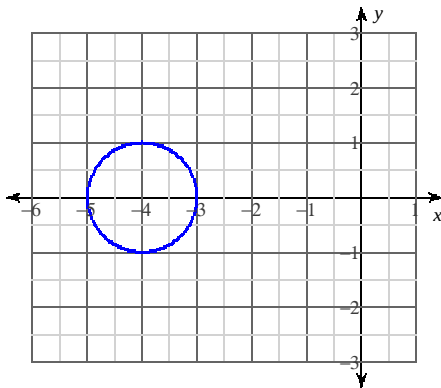
5) Ends of a diameter: $(6, 6)$ and $(8, 8)$

6) Ends of a diameter: $(-10, -18)$ and $(4, 6)$

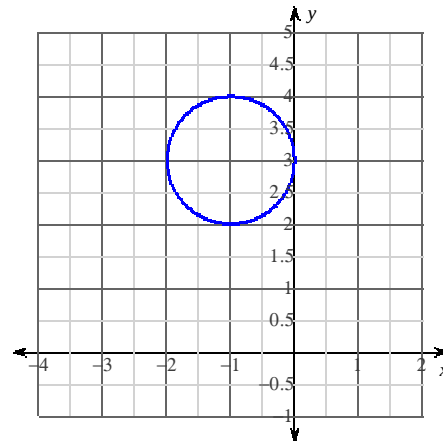
7) Ends of a diameter: $(1, 3)$ and $(3, -7)$

8) Ends of a diameter: $(-1, -8)$ and $(11, -10)$

9)



10)



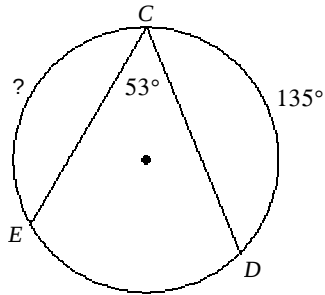
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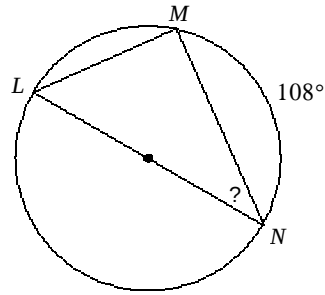
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Find the measure of the arc or angle indicated. Assume that lines which appear tangent are tangent.

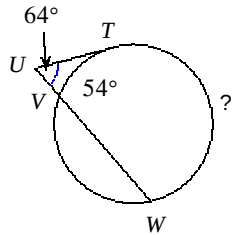
11)



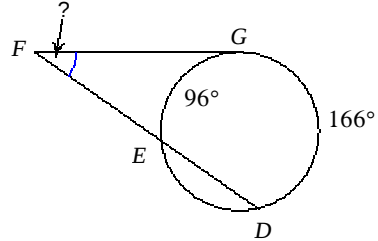
12)



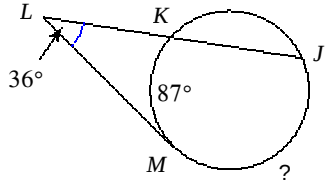
13)



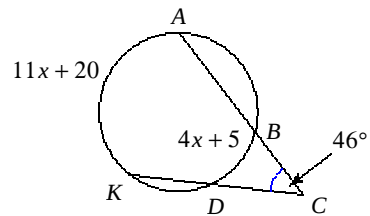
14)



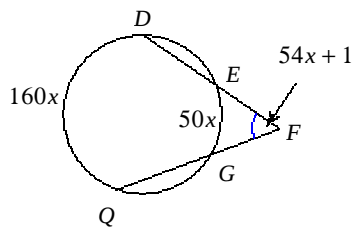
15)



16) Find $m\widehat{BD}$



17) Find $m\widehat{EG}$



18) Find $m\widehat{QTR}$

