

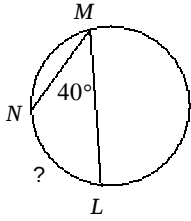
Q3HW5

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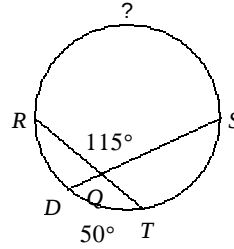
Date _____ Period _____

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

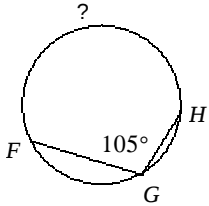
1)



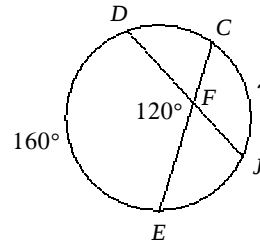
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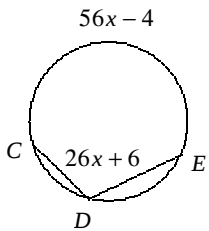
3)



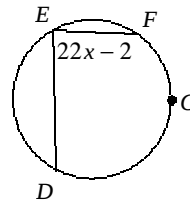
4)



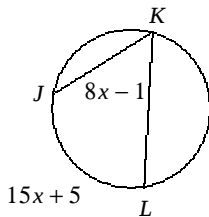
5) Find $m\widehat{EDC}$



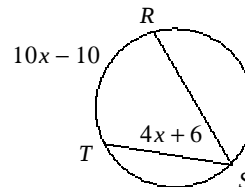
6) $m\widehat{DGF} = 42x + 4$
Find $m\widehat{DGF}$



7) Find $m\angle JKL$



8) Find $m\angle RST$



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

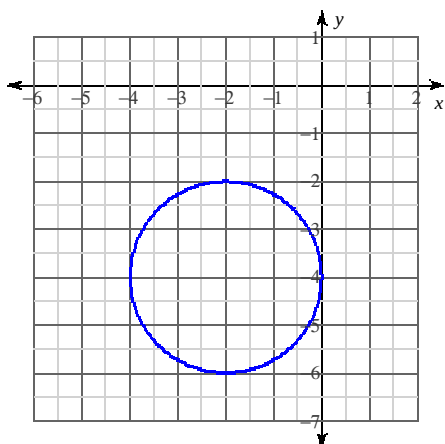
- 9) Center: $(9, 4)$
Radius: 4

- 10) Center: $(-14, -8)$
Radius: 4

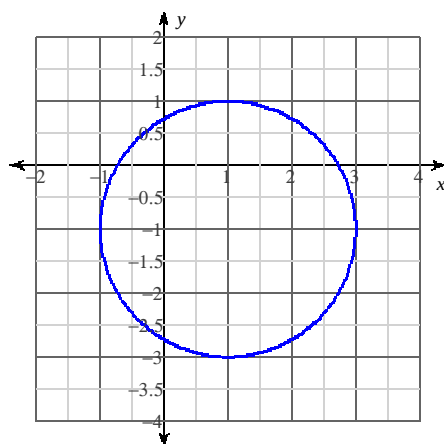
- 11) Center: $(0, 16)$
Radius: 3

- 12) Center: $(-9, -5)$
Radius: 2

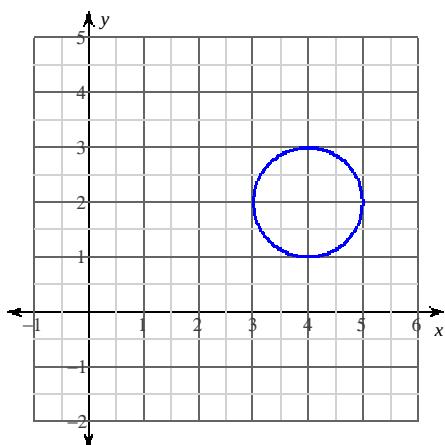
13)



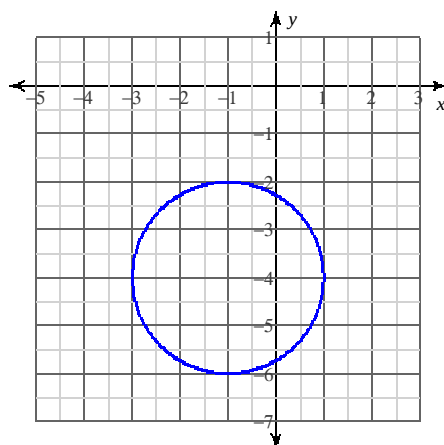
14)



15)



16)



- 17) Center: $(-8, 16)$
Radius: $\sqrt{2}$

- 18) Center: $(-1, \frac{13}{2})$
Radius: $\sqrt{143}$