Secondary Math 2 Honors
Quadrilaterals, Circles, and Arcs
Review

Name_____

Date_____ Period____

Find the interior angle sum for each polygon.

1) regular 19-gon

Find the measure of one interior angle in each polygon.

2) regular 20-gon

Find the measure of one exterior angle in each polygon.

3) regular octagon

Given the sum of the interior angles of a polygon, determine the number of sides.

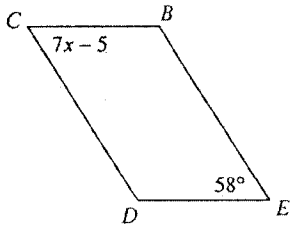
4) Sum = 3060

Given the measure of one exterior angle of a regular polygon, determine the number of sides and the measure of one interior angle.

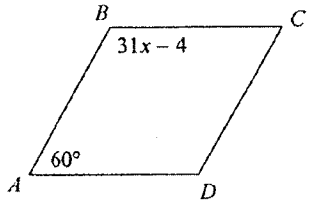
5) Exterior angle = 20

Solve for x. Each figure is a parallelogram.

6)

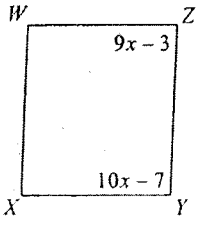


7)



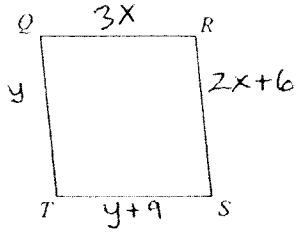
Find the measurement indicated in each parallelogram.

8) Find $m\angle X$



Solve for $x+y$, **Each figure is a parallelogram.**

9)

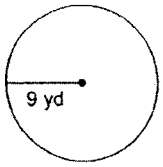


Find the radius of the circle.

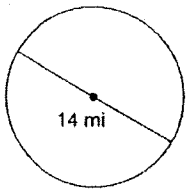
17) circumference = 12π m

Find the area of the circle.

18)

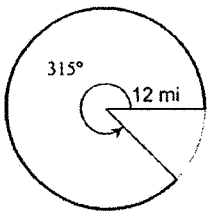


19)



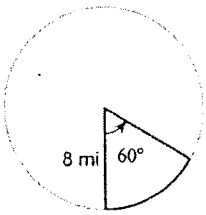
Find the length of the arc.

20)



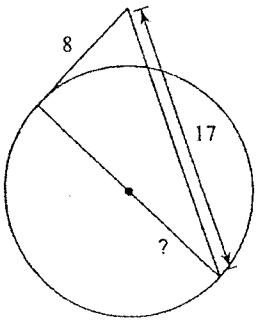
Find the area of the sector.

21)



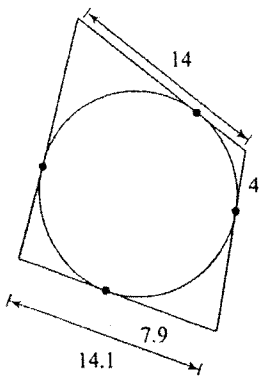
Find the indicated length.

22)



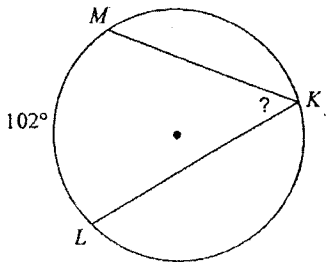
Find the perimeter of the polygon.

23)



Find the measure of the arc or angle indicated.

24)



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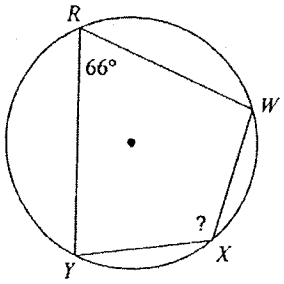

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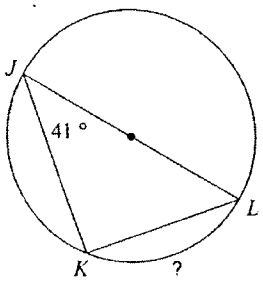

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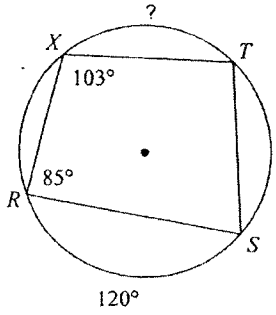
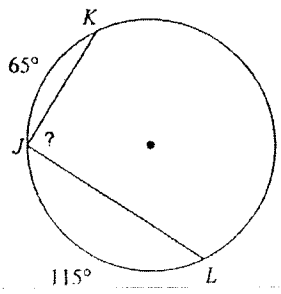
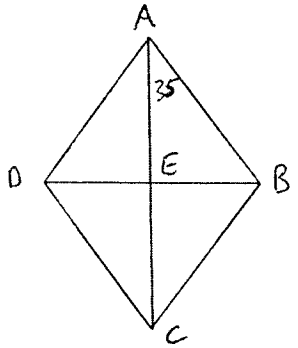


28)

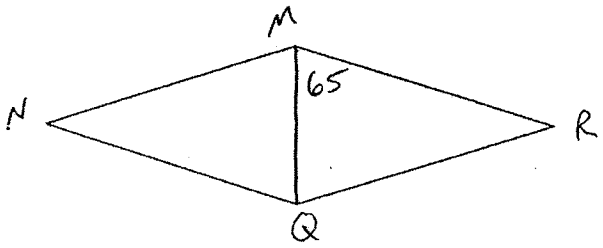


Unit 2 Review

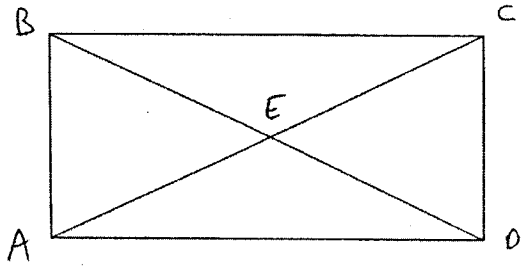
29) Given the following rhombus, solve for $m\angle DCB$.



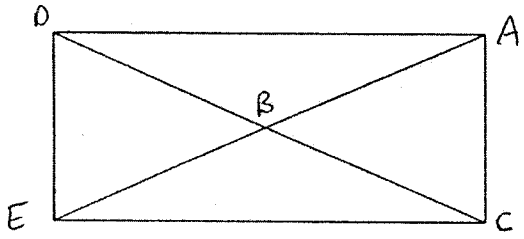
30) Given the following rhombus, solve for $m\angle MNQ$.



31) Given the following rectangle, if AE = 19, then BD =



32) Given the following rectangle, $m\angle ACB = 3x + 29$, $m\angle BAC = 5x + 7$, $find\ m\angle ABC$



33) Given the following square, solve for $m\angle RML$.