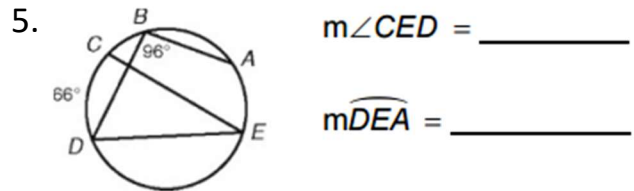
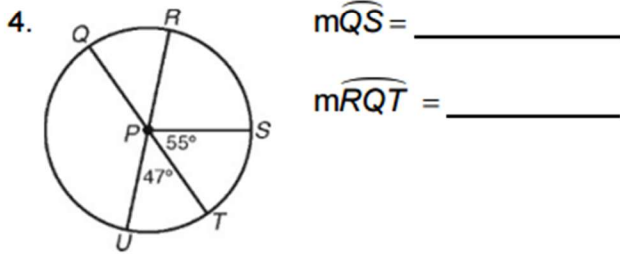


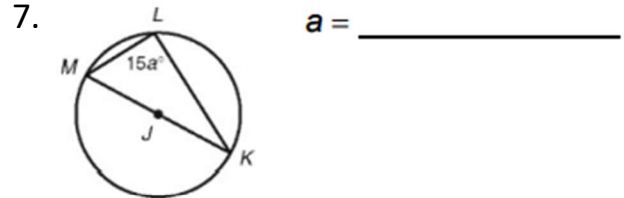
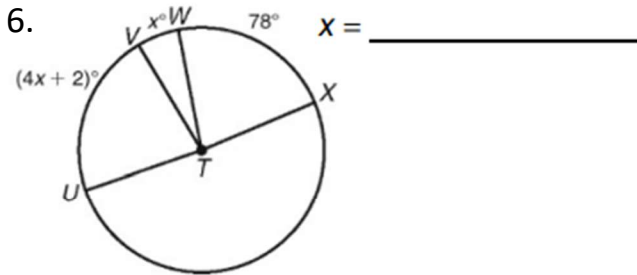
Central Angles and Inscribed Angles

Practice and Problem Solving: A/B

For each figure, determine the indicated measures.



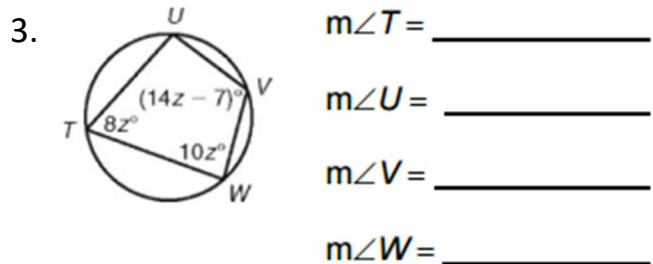
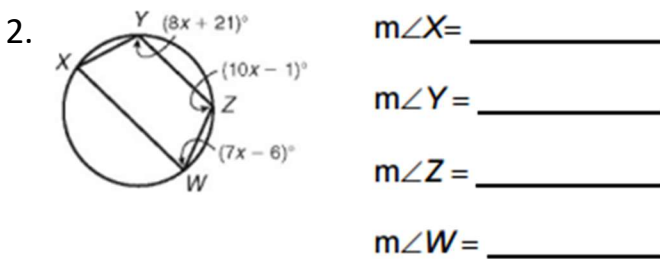
Find the unknown value.



Angles in Inscribed Quadrilaterals

Practice and Problem Solving: A/B

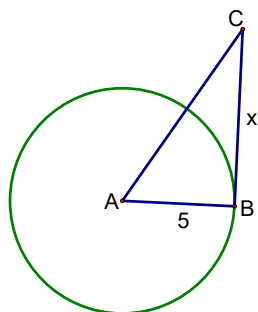
For each inscribed quadrilateral, determine the angle measures.



LESSON
15-3

Tangents and Circumscribed Angles

Practice and Problem Solving: A/B



In $\odot A$, $AC = 13$.

1) Find $m\angle B$.

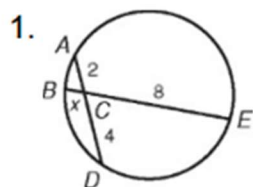
2) Find x .

LESSON
15-4

Segment Relationships in Circles

Practice and Problem Solving: A/B

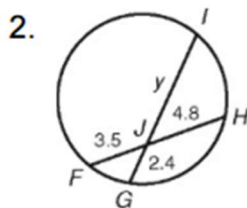
For each figure, determine the value of the variable and the indicated lengths by applying the Chord-Chord Product Theorem.



$x =$ _____

$AD =$ _____

$BE =$ _____

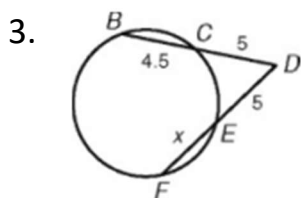


$y =$ _____

$FH =$ _____

$GI =$ _____

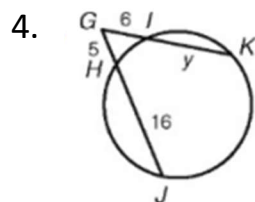
For each figure, determine the value of the variable and the indicated lengths by applying the Secant-Secant Product Theorem.



$x =$ _____

$BD =$ _____

$FD =$ _____



$y =$ _____

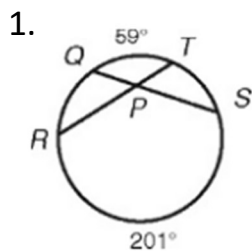
$GJ =$ _____

$GK =$ _____

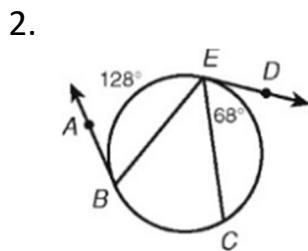
LESSON
15-5

Angle Relationships in Circles

Practice and Problem Solving: A/B

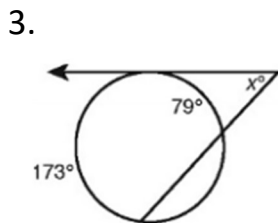


$m\angle RPS =$ _____

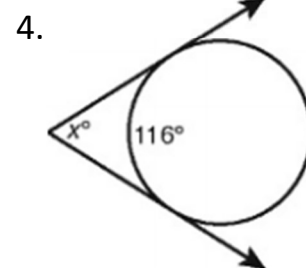


$m\angle ABE =$ _____

$m\widehat{CE} =$ _____



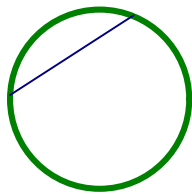
$x =$ _____



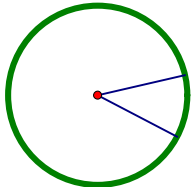
$x =$ _____

Match each term with the appropriate picture.

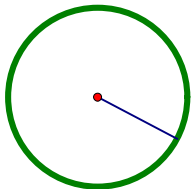
Center



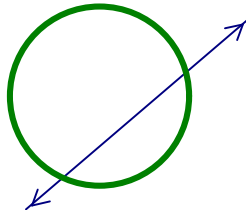
Radius



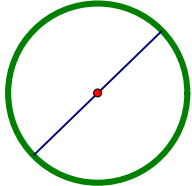
Diameter



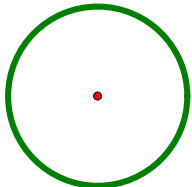
Chord



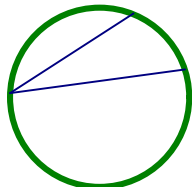
Central Angle



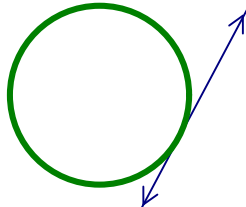
Inscribed Angle



Tangent Line



Secant Line



Factor:

1. $x^2 + x - 90$

2. $x^2 + 8x + 7$

3. $x^2 - 10x + 9$

4. $x^2 + 2x - 24$

5. $x^2 - 13x + 40$

6. $x^2 - x - 56$

Solve for x. Hint: Factor first!

1. $x^2 - 3x - 70 = 0$

2. $x^2 + 8x + 15 = 0$

3. $x^2 - 9x + 8 = 0$

4. $x^2 + 2x - 48 = 0$

5. $x^2 - 9x + 18 = 0$

6. $x^2 - 12x = -35$