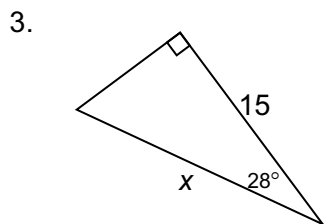
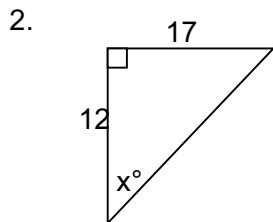
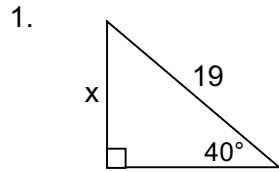


Geometry Bundle 12-14 Test Review

I – Multiple Choice

For each triangle below, solve for x .



For questions 4-9, write the trigonometric ratio.

4. $\tan A =$

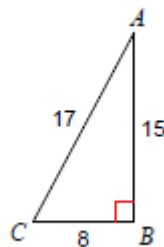
5. $\sin A =$

6. $\cos A =$

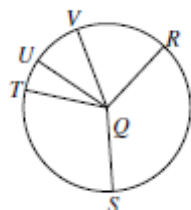
7. $\tan C =$

8. $\sin C =$

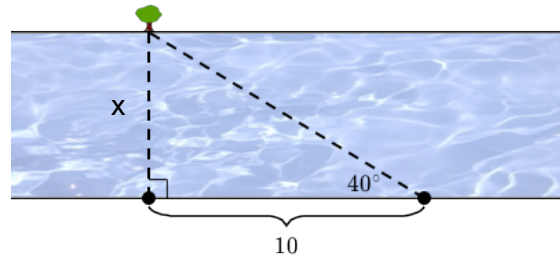
9. $\cos C =$



10. Name the major arc and the minor arc for $\angle UQS$.

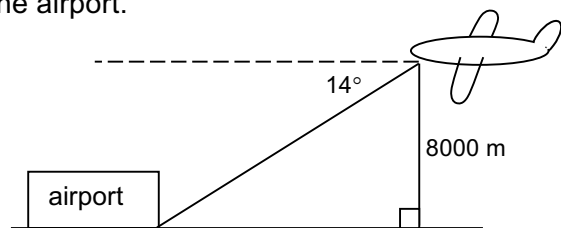


11. The people of Bridgetown wanted to build a bridge across a nearby river. Since they were poor swimmers, a wandering mathematician agreed to measure the width of the river without actually crossing it. He created the diagram below and handed it to the mayor. What was the width of the river?

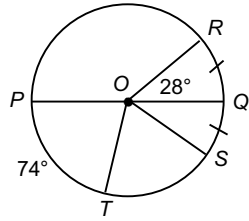


12. A 18 foot ladder is leaning against the wall. If the ladder reaches a height of 9 feet on the wall, what angle does the ladder form with the ground? (Draw and label a diagram.)

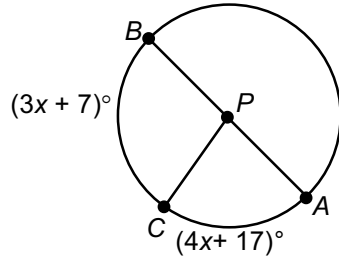
13. Find the horizontal distance from the plane to the airport.



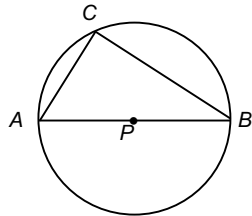
14. Find $m\angle TOS$.



15. Given that \overline{BA} is a diameter, find $m\angle CA$.



16. What is the measure of $\angle C$?

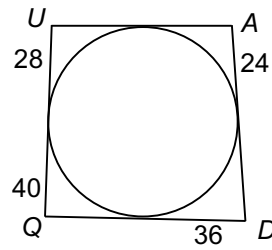


17. From the diagram in #9, if $m\angle A = 60^\circ$, find $m\angle CB$.

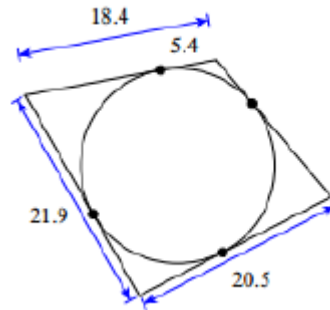
18. What is the equation for a circle with a center at $(0, 0)$ and radius = 9?

19. What is the center and radius of the circle with equation $(x + 3)^2 + (y - 7)^2 = 36$?

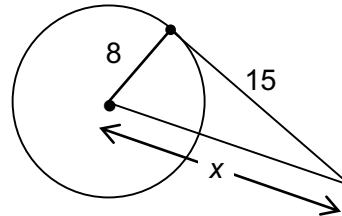
20. Find the perimeter of the quadrilateral.



21. Find the perimeter of the quadrilateral.



22. Solve for x .



23. Find the length of the missing side of the triangle.

