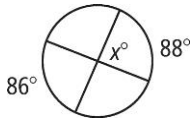


12-4 Angle Measures and Segment Lengths

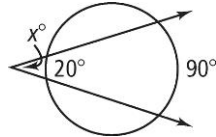


Find the value of x .

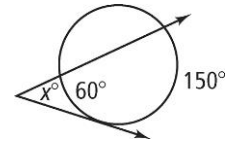
1.



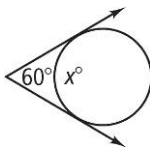
2.



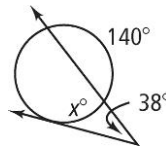
3.



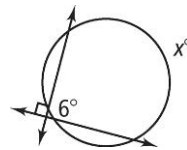
4.



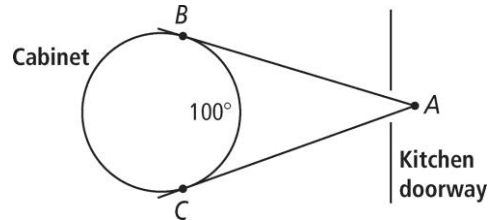
5.



6.

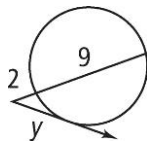


7. There is a circular cabinet in the dining room. Looking in from another room at point A , you estimate that you can see an arc of the cabinet of about 100° . What is the measure of $\angle A$ formed by the tangents to the cabinet?

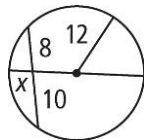


Algebra Find the value of each variable using the given chord, secant, and tangent lengths. If the answer is not a whole number, round to the nearest tenth.

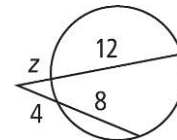
11.



12.



13.



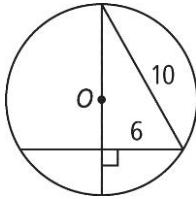
12-4 Practice (continued)

Form G

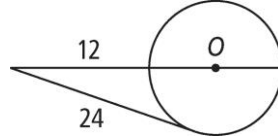
Angle Measures and Segment Lengths

Find the diameter of $\odot O$. A line that appears to be tangent is tangent. If your answer is not a whole number, round to the nearest tenth.

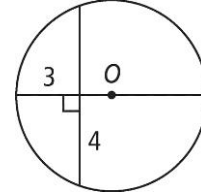
17.



18.



19.



20. The distance from your ship to a lighthouse is d , and the distance to the buoy is b . Express the distance to the shore in terms of d and b .

