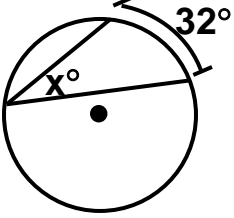
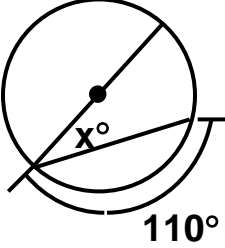
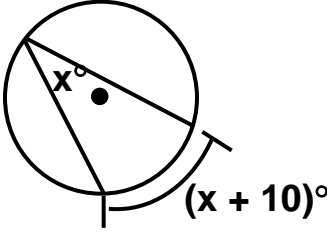
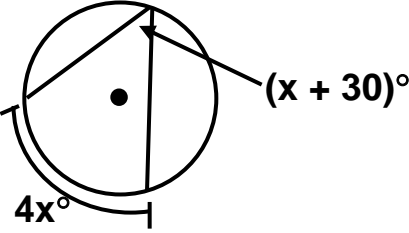
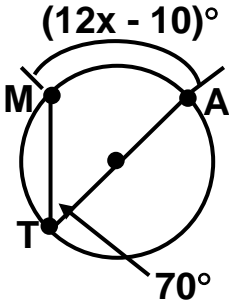
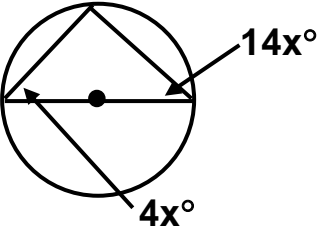


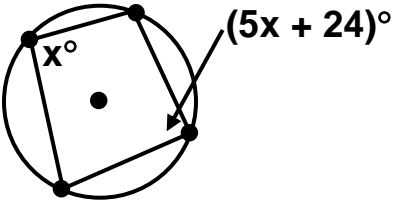
NAME _____ DATE _____ PER. _____

INSCRIBED ANGLES

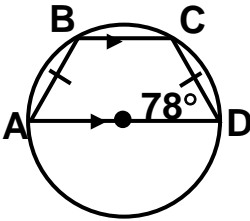
Find the indicated value(s).

1. $x =$ _____	
2. $x =$ _____	
3. $x =$ _____	
4. $x =$ _____	
5. $x =$ _____ $m\widehat{MA} =$ _____	
6. $x =$ _____	

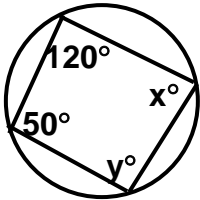
7. $x =$ _____



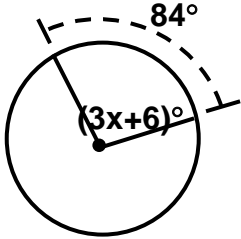
8. $m\angle ABC =$ _____
 $m\angle BCD =$ _____
 $m\angle BAD =$ _____



9. $x =$ _____
 $y =$ _____



10. $x =$ _____

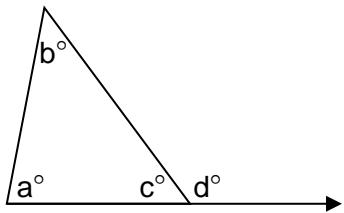


REVIEW PROBLEMS: Solve each problem as indicated.

11. Solution: _____

Which statement is always true?

A. $a + b + c = d$
 B. $a + b = d$
 C. $a - b = d$
 D. $b + c = d$



12. _____	<p>A hollow globe of the world is in the shape of a sphere. The diameter of the sphere is 22 inches. To the nearest cubic inch, how much air does the globe hold?</p> <p>F. 380 in^3 G. 507 in^3 H. 4181 in^3 J. 5575 in^3</p>
13. _____	Write the equation of the line passing through (1, 2) and (4, -1)
14. _____	Write the equation of the line that passes through (6, -5) and has an undefined slope.
15. _____	Find the distance between (3, 7) and (5, 2). Write your exact answer in simplified form.

Find the correct answer for each of the following. Clearly circle your answers. Work must be shown in order to receive credit.

16. _____	<p>When the angle of elevation to the sun is 26°, a flagpole casts a shadow that is 82 feet long. What is the height of the flagpole to the nearest foot?</p> <p>A. 36 ft B. 40 ft C. 74 ft D. 166 ft</p>
17. _____	<p>The legs of a right triangle measure 11.4 meters and 15.1 meters. To the nearest tenth which could be the measure of the smallest angle?</p> <p>F. 31.1° G. 37.1° H. 38.6° J. 52.9°</p>