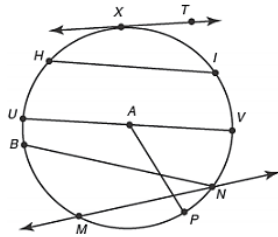


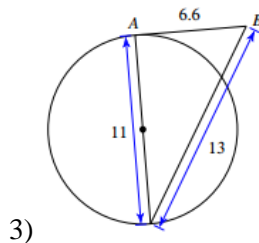
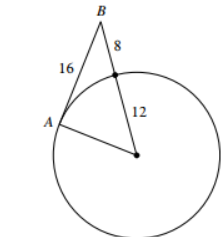
Focus on Geometry Unit 12 practice test

Show your work where needed and write your answer in the answer box

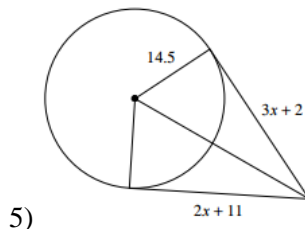
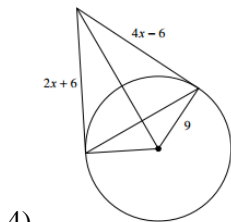
Identify an instance of each term in the diagram below. The terms are listed in the answer box to the right.



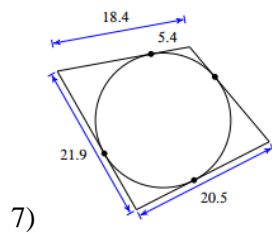
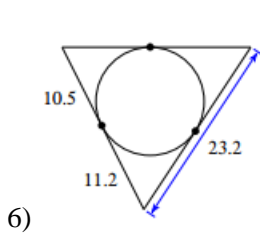
Determine if line AB is a tangent to the circle or not.



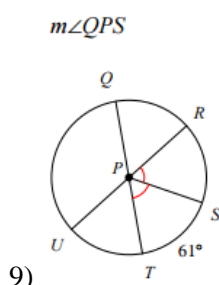
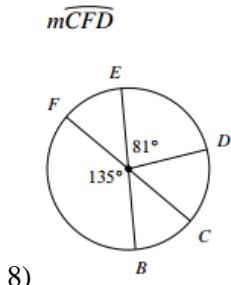
Find the value of x , and find the measure of the hypotenuse. Assume that lines that appear to be tangent are tangent.



Find the perimeter or the polygons circumscribed around the circle.

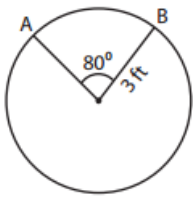


Find the measure of the arc or central angle indicated

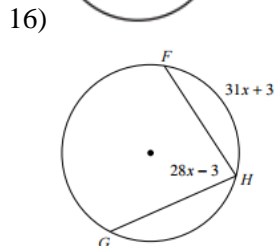
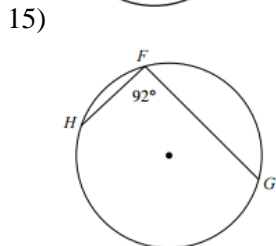
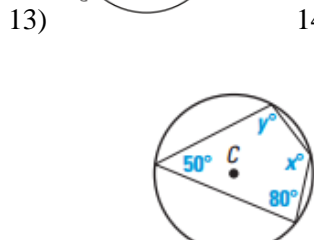
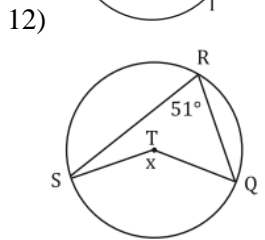
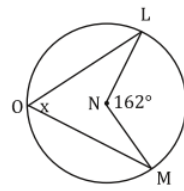
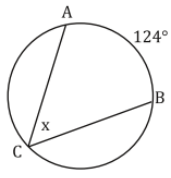
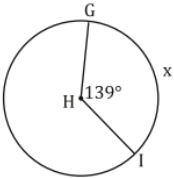


- 1a) center _____
- 1b) chord _____
- 1c) secant _____
- 1d) tangent _____
- 1e) point of tangency _____
- 1f) central angle _____
- 1g) inscribed angle _____
- 1h) major arc _____
- 1i) minor arc _____
- 1j) semicircle _____
- 1k) diameter _____
- 1l) radius _____
- 1m) Name of circle _____
- 2) _____
- 3) _____
- 4) $x =$ _____
hypotenuse = _____
- 5) $x =$ _____
hypotenuse = _____
- 6) _____
- 7) _____
- 8) _____
- 9) _____

Find the length of arc AB.

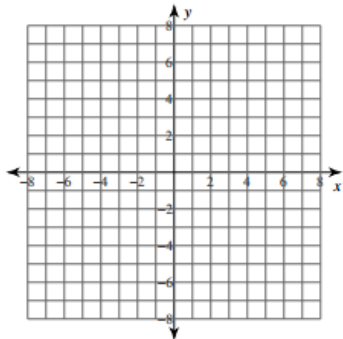


10) Find the value of the variables.

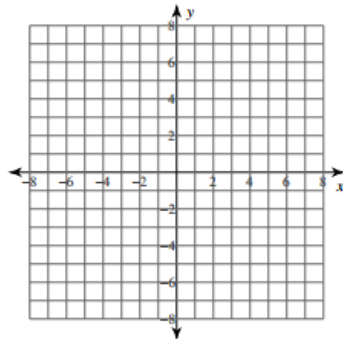


17) 18)

Identify the center and the radius, and then graph the circle.



19) $(x - 1)^2 + (y + 3)^2 = 4$



20) $x^2 + (y - 4)^2 = 16$

Write the equation of the circle given the following information:

21) Center: (13, -13); radius: 4

22) Center: (-2, 0); point on a circle: (0, 2)

10) _____
 11) _____
 12) _____
 13) _____
 14) _____
 15) _____
 16) $x =$ _____ $y =$ _____
 17) _____
 18) _____
 19) center: _____
 radius: _____
 Graph on the x-y plane
 20) center: _____
 radius: _____
 Graph on the x-y plane
 21) _____
 22) _____
 EC) _____

Extra credit: A radio tower services a 10 mile radius. You stop your car 5 miles east and 8 miles north of the tower. Will you be able to receive radio waves from the tower? Explain why or why not.