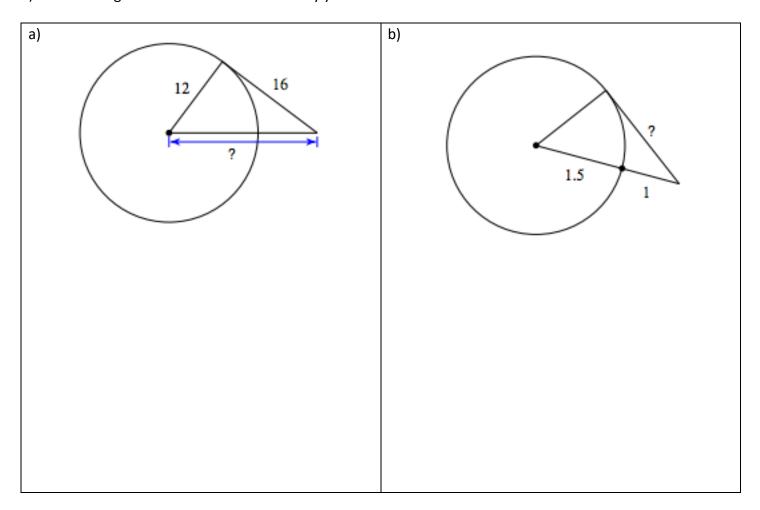
Name:	Period:	Date:
Read and answer each ques	tion carefully. Show all necessary worl	k in order to receive full credit.
1) Draw circle <i>O</i> with radius	PO and tangent TA passing through the	e point of tangency P .
2) What is the measure of th reasoning.	e angle formed by the radius of a circle	and a tangent to that circle? Explain your
-		
3) Line segment AB is tanger O are connected? Explain yo		le is always formed when points A,B , and

4) Find the length of the side indicated. Justify your answer.



5) Karen wants to determine the radius of a circular pool without getting wet. She is located at point K, which is 4 feet from the pool and 12 feet from the point of tangency, as shown in the accompanying diagram. What is the radius of the pool? Justify your answer.

