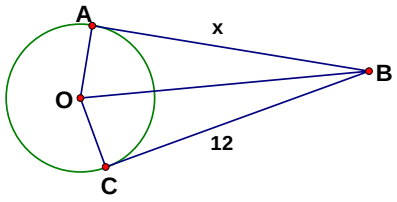
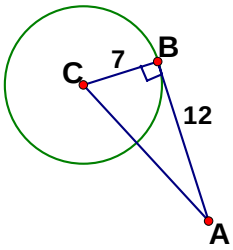
Chapter 8: Circles
Lesson 8-3: Tangents
Classwork

Name _____
Date _____
Period ___

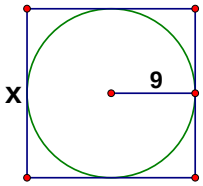
Find x. Assume that segments that appear to be tangent are tangent lines. Round answers to the nearest tenth.

1. 

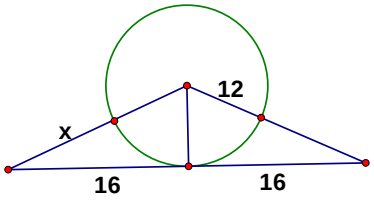
x = _____

2. 

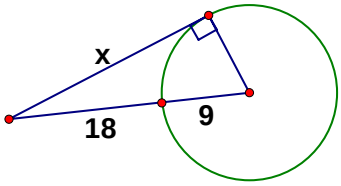
x = _____

3. 

x = _____

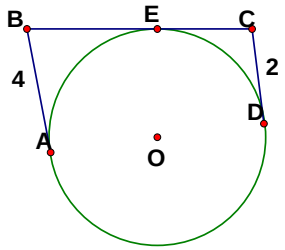
4. 

x = _____

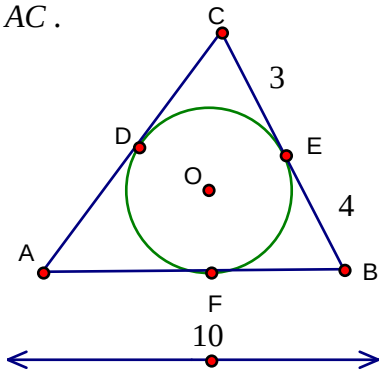
5. 

x = _____

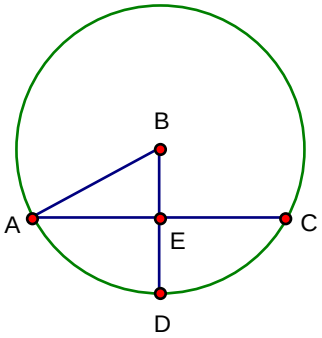
6. Assume points A, E, and D are tangent to circle O. Find $\overline{BC}$.



7. Assume D, E and F are tangent to circle O. Find $\overline{AC}$.



If $\overline{BD}$ bisects $\overline{AC}$, $\overline{BD} \perp \overline{AC}$, $\overline{AB}$ =13, and $\overline{AC}$ = 24. Find the indicated values.



8. $\overline{BE}$ = _____

9. $\overline{DE}$ = _____

10. If $\overline{AB}$ = 12 and $m\angle A$=30°, find $\overline{BE}$ = _____ and $\overline{AE}$ = _____.

11. If $\overline{BE}$ = 5 and $m\angle B$ = 60°, find $\overline{AB}$ = _____ and $\overline{AE}$ = _____.