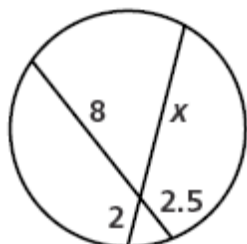


Name: _____

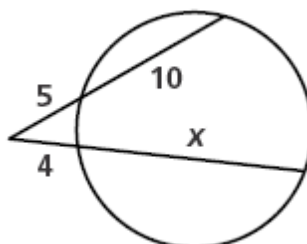
Measures of Tangent Segments, Chords, and Secant Segments

1) Find the value of x

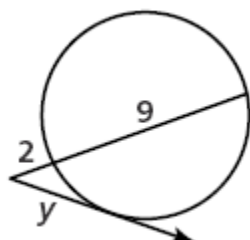
1)



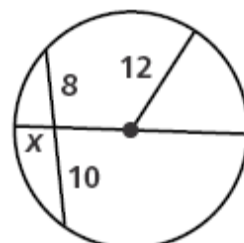
2)



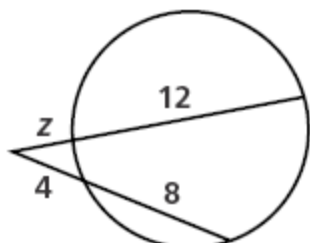
3)



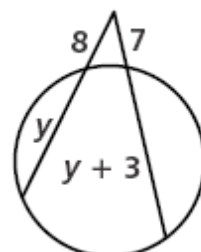
4)



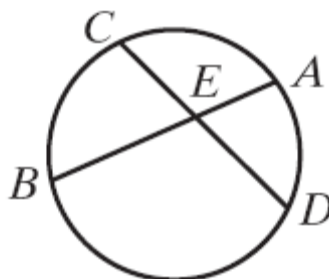
5)



6)

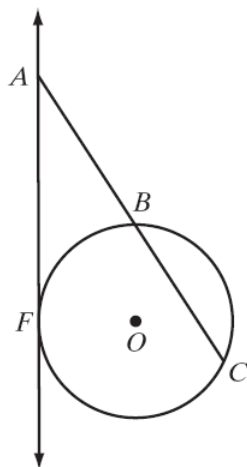


2) Chords \overline{AB} and \overline{CD} intersect at E

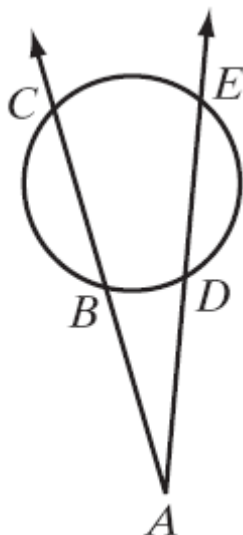


- 1) If $AE=14$, $EB=3$, and $ED=6$, find CE .
- 2) If $CE=16$, $ED=12$, and AE is 3 times EB , find EB
- 3) If $CE=9$, $ED=9$, and AE is 24 less than EB , find EB

- 3) \overline{AF} is tangent to circle with center O at F and secant \overline{ABC} intersects the circle at B and C .



- 1) If $AF=8$ and $CB=16$, find AC , and AB
 - 2) If $AF=10$ and AC is 4 times AB , find AC , AB , and BC
- 4) Secants \overline{ABC} and \overline{ADE} intersect at A outside the circle



- 1) If $AB=8$, $AC=25$, and $AD=10$, find AE
- 2) If $AB=6$, $AC=18$, and $AD=9$, find AE
- 3) If $AD=12$, $AE=20$, and $AB=8$, find AC
- 4) If $AD=9$, $AE=21$, and AC is 5 times AB , find AB and AC .