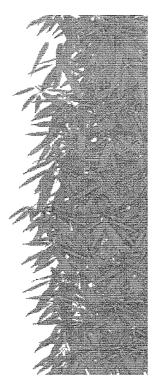
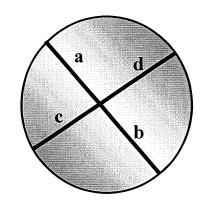
Analytic Geometry Chapter 6.6

Secant and Tangent Segment Measures



2)

Type 1: Two chords intersect INSIDE the circle

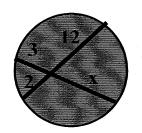


ab = cd

part • part = part • part

Example 1:

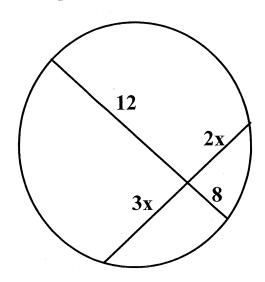




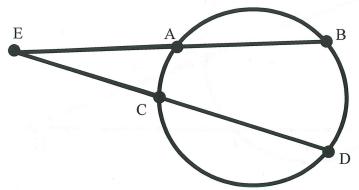


4)

Example 2: Find x



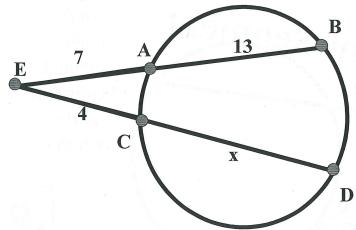
Type 2: Two secants intersect
OUTSIDE the circle

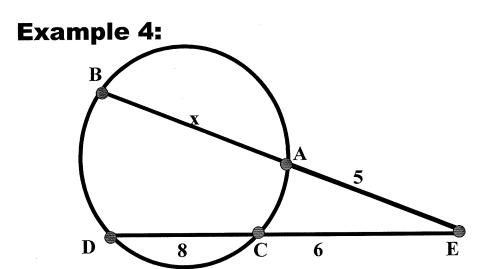


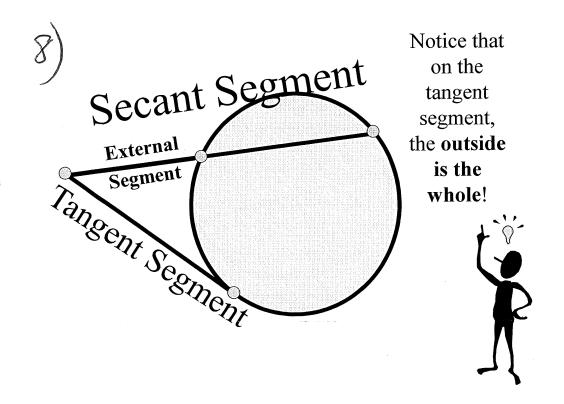
EA * EB = EC * ED outside • whole

6)

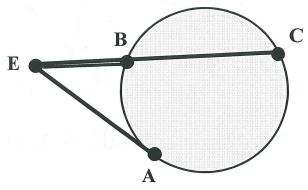
Example 3:





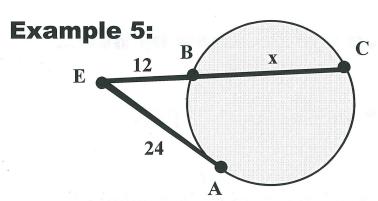


Type 2 (with a twist): Secant and Tangent



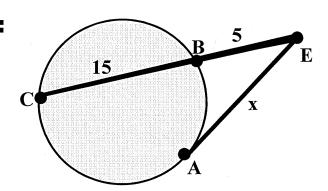
outside • whole = outside • whole $\mathbf{E}\mathbf{A}^2 = \mathbf{E}\mathbf{B} * \mathbf{E}\mathbf{C}$

10)



outside • whole = outside • whole

Example 6:



outside • whole = outside • whole

12)

What you should know by now...

part • part = part • part

outside • whole = outside • whole