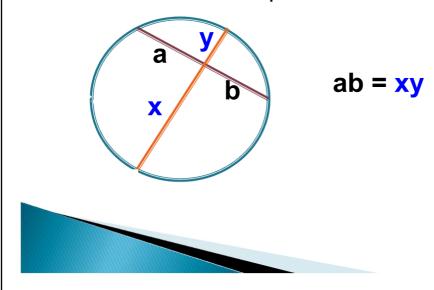


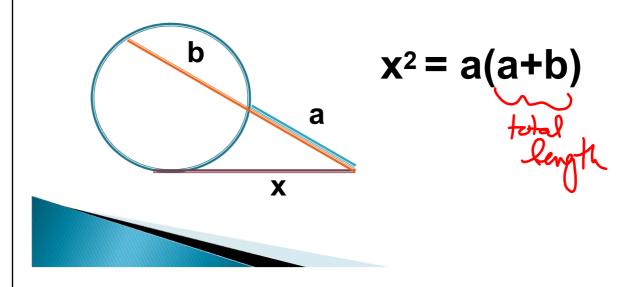
# Chord-Chord Power Theorem

Multiply both parts of the chord together. Then set them equal.



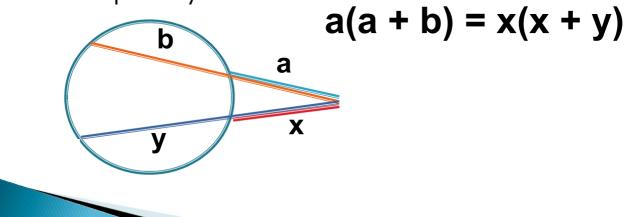
## Secant-Tangent Power Theorem

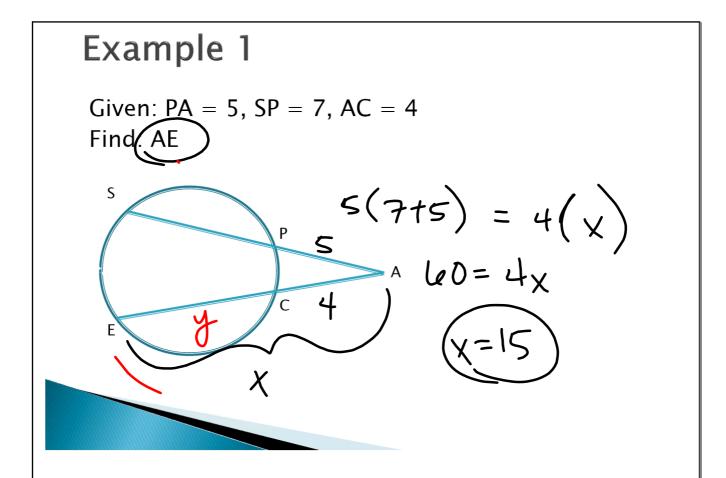
Multiply the secant by its external piece and set it equal to the square of the tangent.



#### Secant-Secant Power Theorem

Multiply one secant by its external part and set equal to the outside of the other secant multiplies by itself.

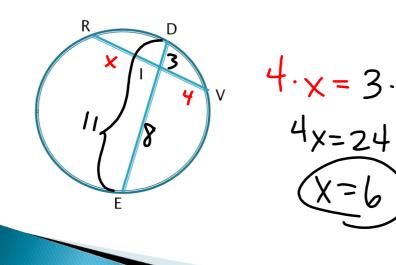




# Example 2

Given: DE = 11, ID = 3, VI = 4

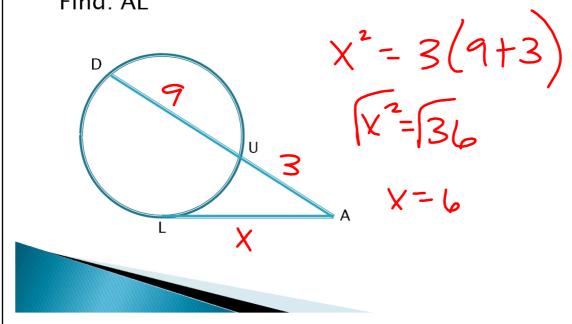
Find: IR





Given: UA = 3, DU = 9

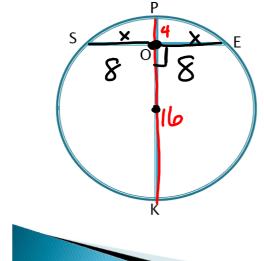
Find: AL

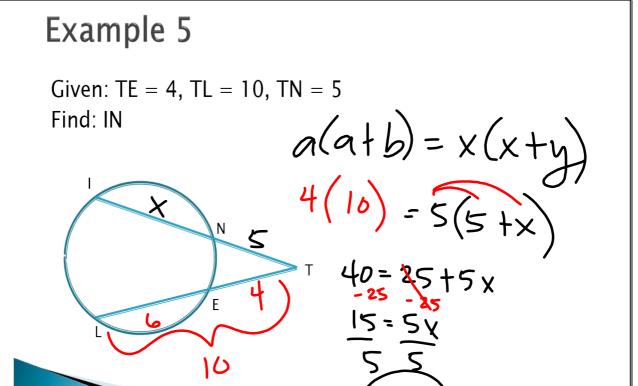




Given: PO = 4, OK = 16, O is the mdpt. of  $\overline{SE}$ 

Find: SO





## Homework