

# Segment Lengths and Circles

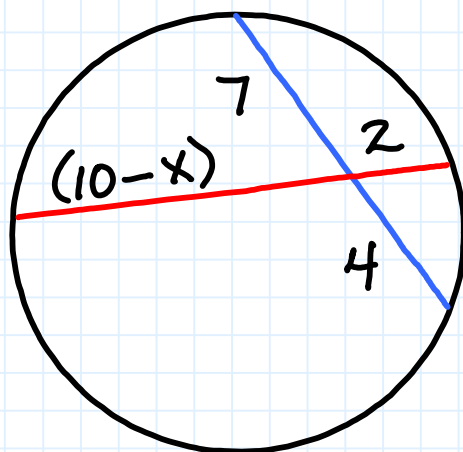
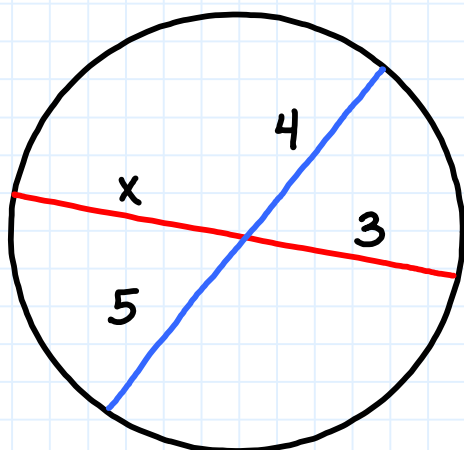


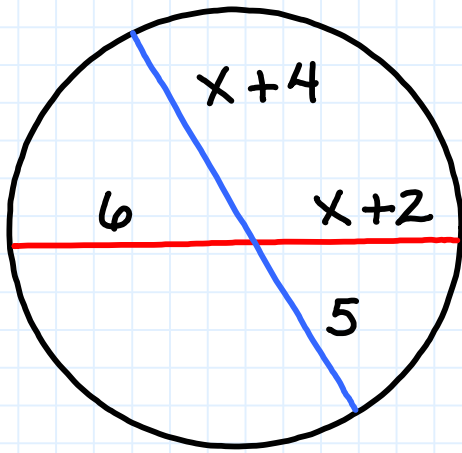
## Overview of problems



Example Set: A

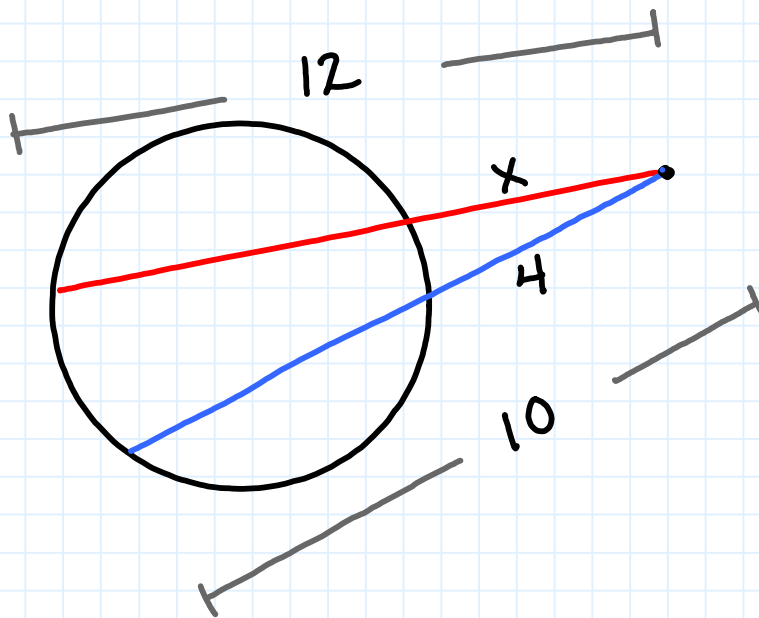
Each circle contains chords, secants or tangents.  
Solve for variable.

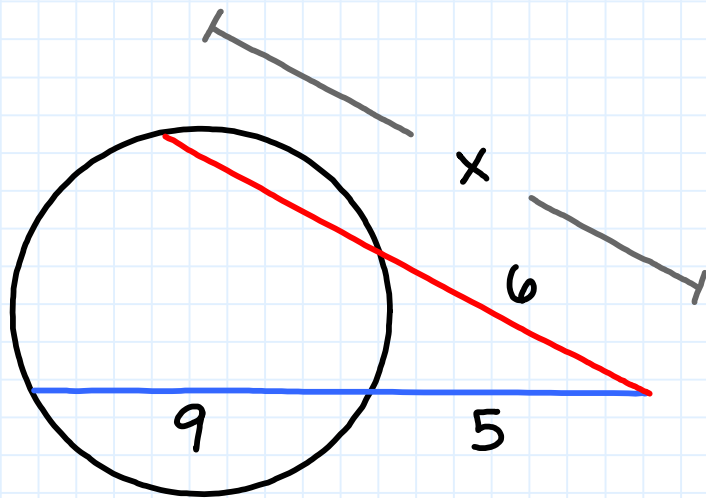
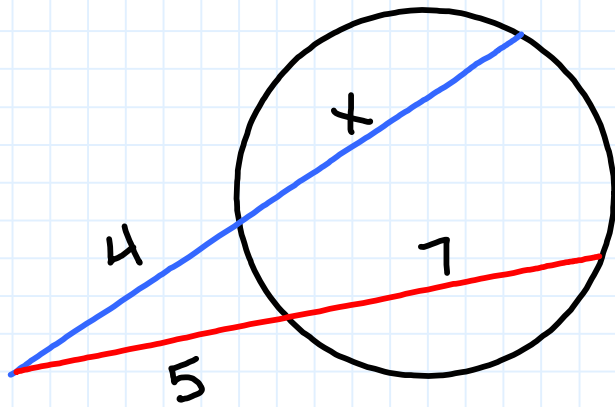




Example Set: B

Each circle contains chords, secants or tangents.  
Solve for variable.

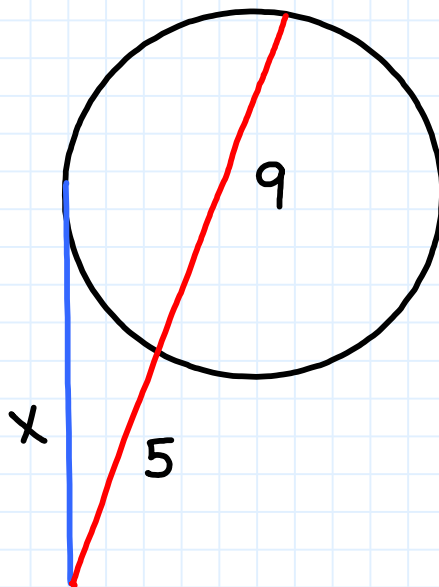
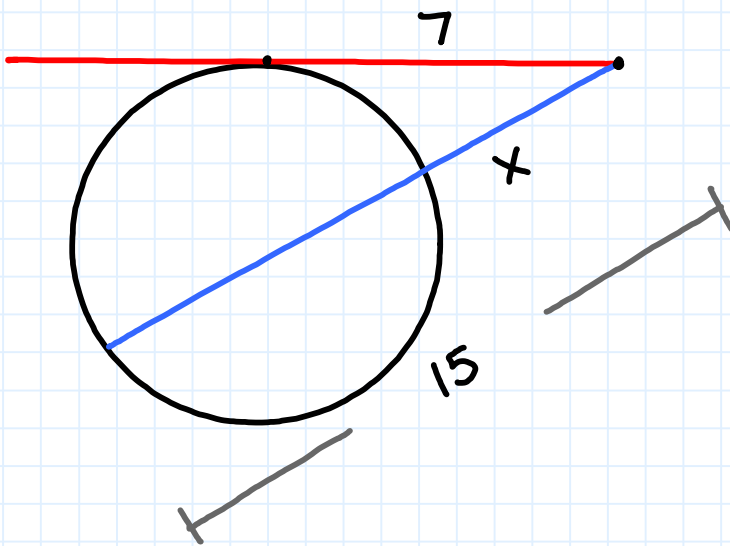


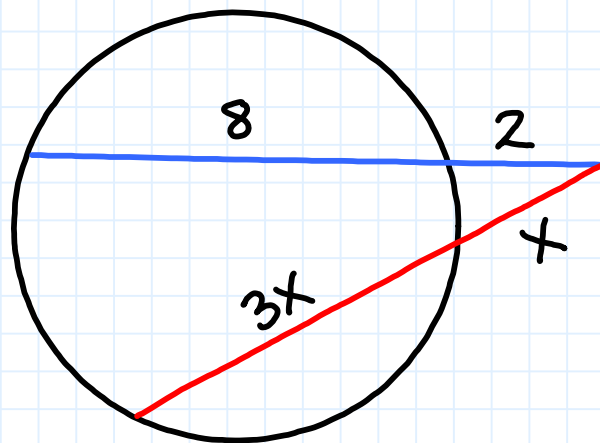
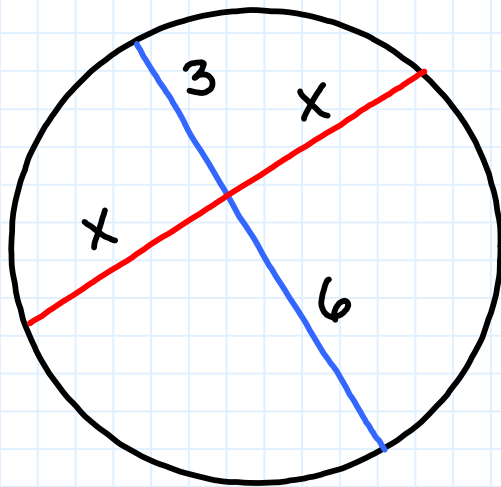




## Example Set: C

Each circle contains chords, secants or tangents.  
Solve for variable.





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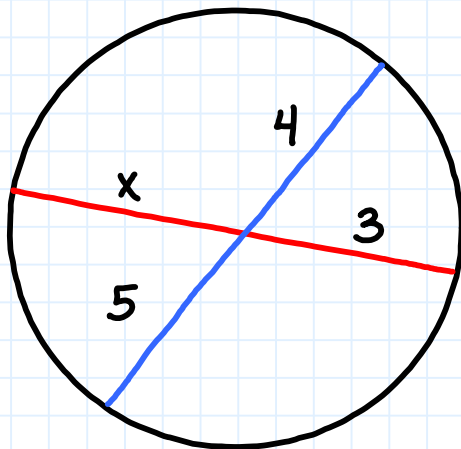


## Overview of problems- KEY

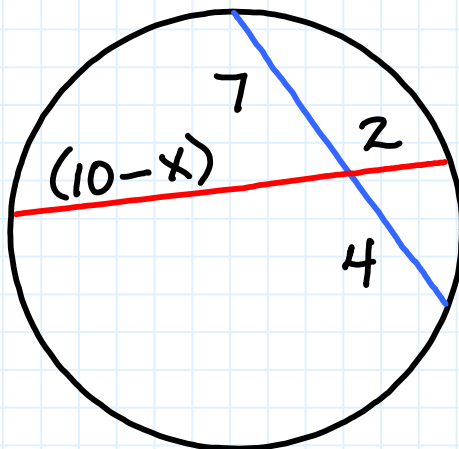


Example Set: A

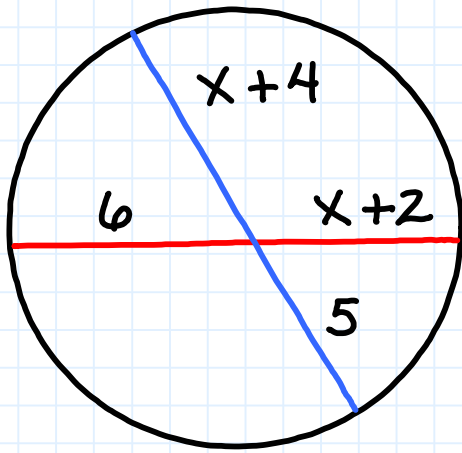
Each circle contains chords, secants or tangents.  
Solve for variable.



$$x = 6.6$$



$$x = -4$$

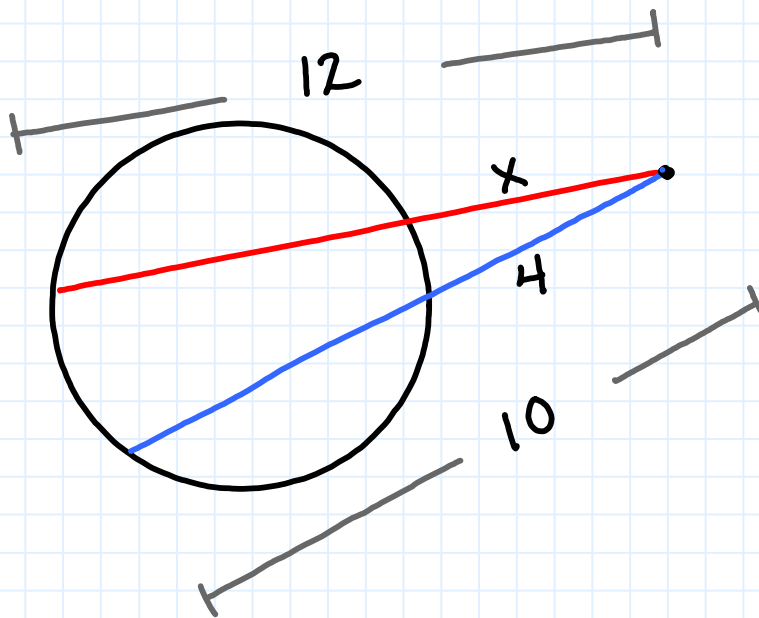


$$x = 8$$

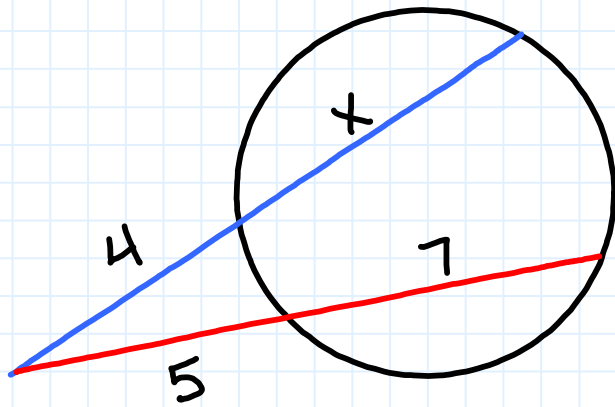


Example Set: B

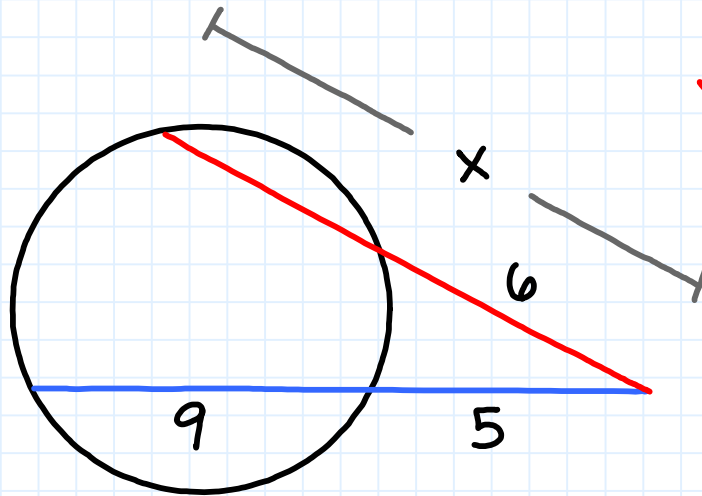
Each circle contains chords, secants or tangents.  
Solve for variable.



$$x = 3.3$$



$$x = 11$$



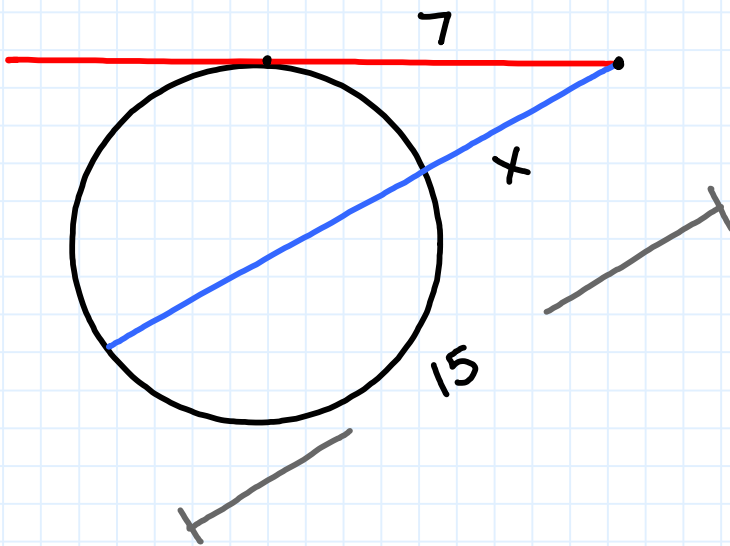
$$x = 11.6$$



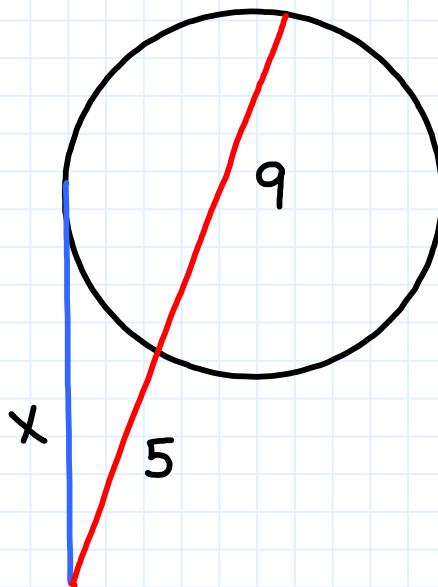


## Example Set: C

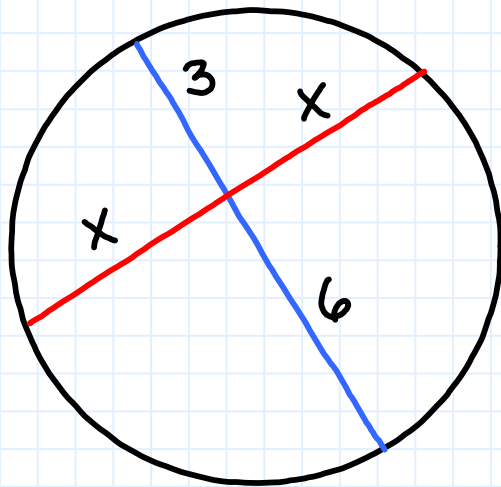
Each circle contains chords, secants or tangents.  
Solve for variable.



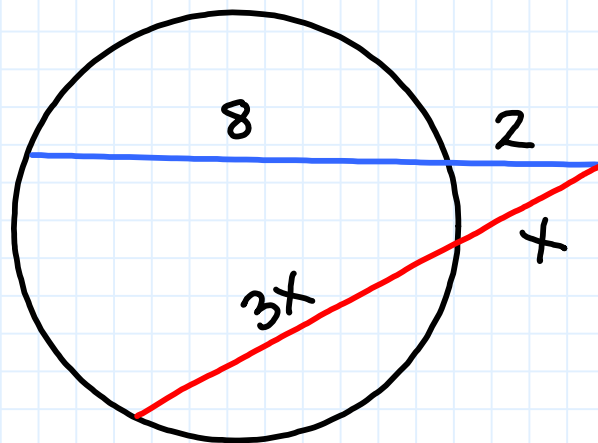
$$x = 3.26$$



$$x = 8.36$$



$$x = 4.24$$



$$x = 2.23$$