

Circle Theorems – Length

Congruent Chord Theorem:

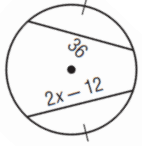
Pull

Parallel Chord Theorem:

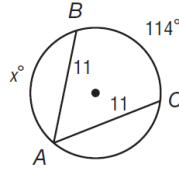
Pull

Radius-chord Theorem:

Pull

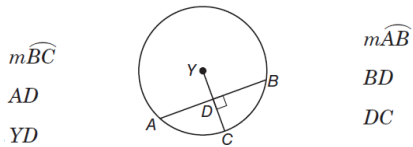


Congruent Arc intercept congruent chords. Find x



Congruent Chords intercept congruent arcs find x

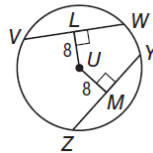
In $\odot Y$ the radius is 34, $AB = 60$, and $m\widehat{AC} = 71$. Find each measure. Round to the nearest hundredth.



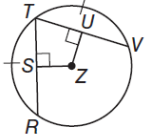
$m\widehat{BC}$
 AD
 YD

$m\widehat{AB}$
 BD
 DC

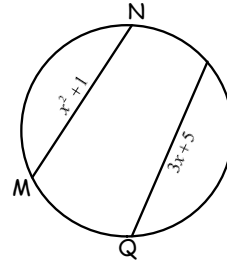
In $\odot U$, $VW = 20$ and $YZ = 5x$. What is x ?



In $\odot Z$, $\widehat{TR} \cong \widehat{TV}$, $SZ = x + 4$, and $UZ = 2x - 1$. What is x ?



Find x such that the chords are congruent



Assignment:

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3-2-1--

Write down 3 things you learned,
2 problems you struggle with and
1 idea to help you improve.