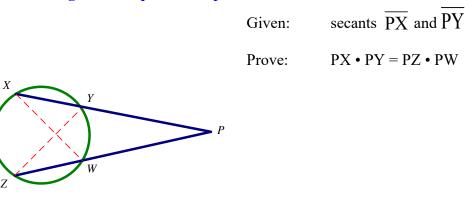
Theorem If 2 secants are drawn to a circle from an exterior pt, the product of the lengths of one secant segment and its external segment is equal to the product of the other secant and its external segment.



	Statements	Reasons
1.	Draw \overline{XW} and \overline{ZY}	Construction
2.	$\angle X \cong \angle Z$	Inscribed \angle , same arcs
3.	$\angle P \cong \angle P$	Reflexive
4.	$\Delta \ XPW \sim \Delta \ ZPY$	AA Postulate
5.	$\frac{PX}{PZ} = \frac{PW}{PY}$	~ Δ 's, sides in proportion
6.	$PX \bullet PY = PZ \bullet PW$	Prop of Proportion