Euclid Preparation 3
Circle Geometry

Vincent Macri

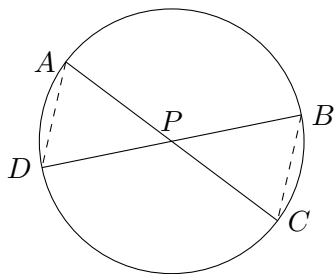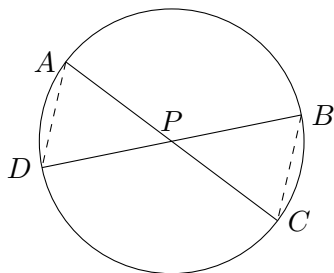William Lyon Mackenzie C.I. Math Club

Table of Contents

Extending

Table of Contents

Theorem ("Crossed Chord" Theorem)

If two chords AB and CD of a circle intersect at point P, then $(PA)(PB) = (PC)(PD)$.

Theorem ("Crossed Chord" Theorem)

If two chords AB and CD of a circle intersect at point P, then $(PA)(PB) = (PC)(PD)$.

This is proved using similar triangles and the fifth extension we developed for the Star Trek theorem. Try to prove it yourself!