

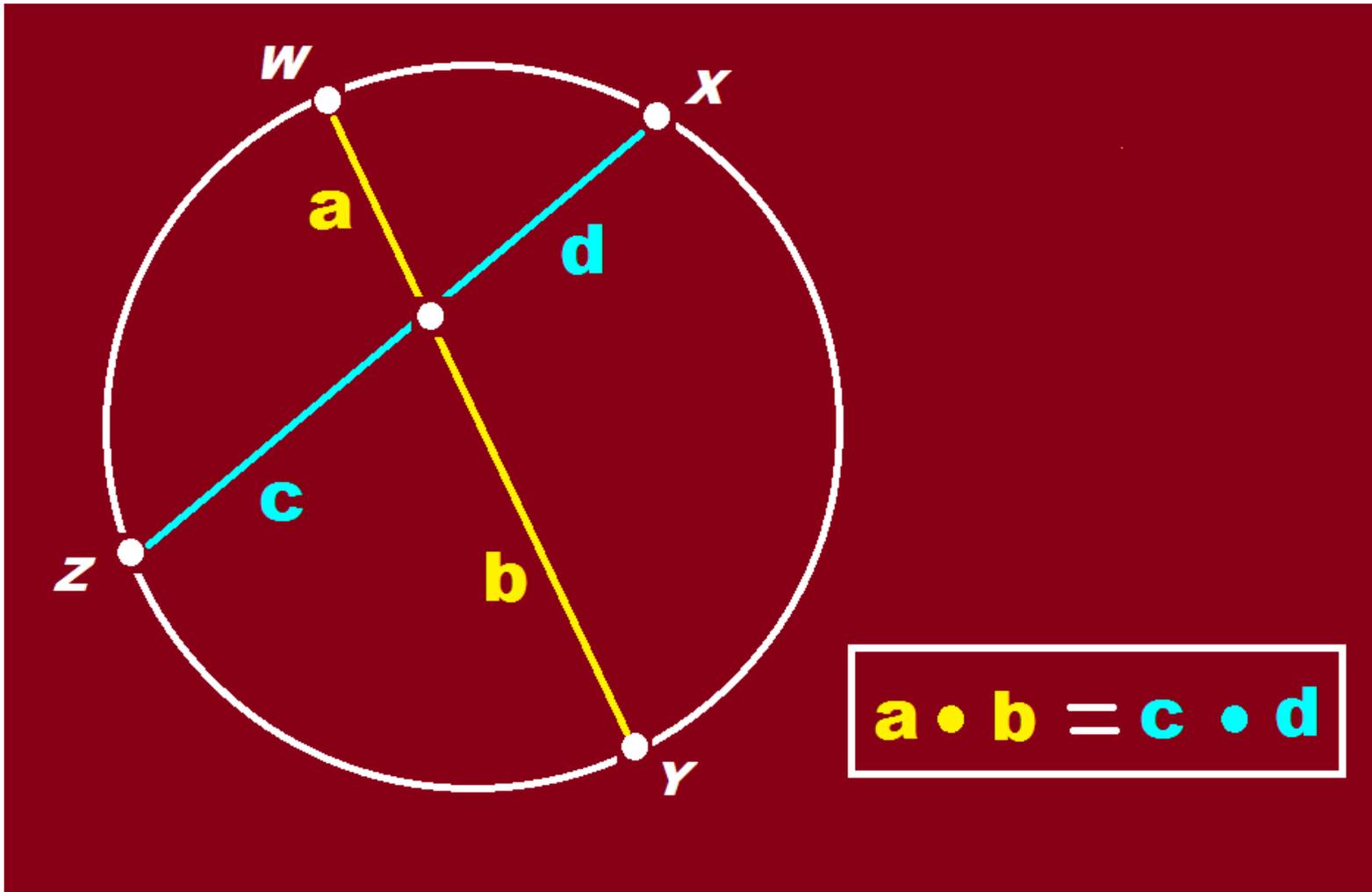
# **CIRCLE SEGMENTS**

**Geometry**

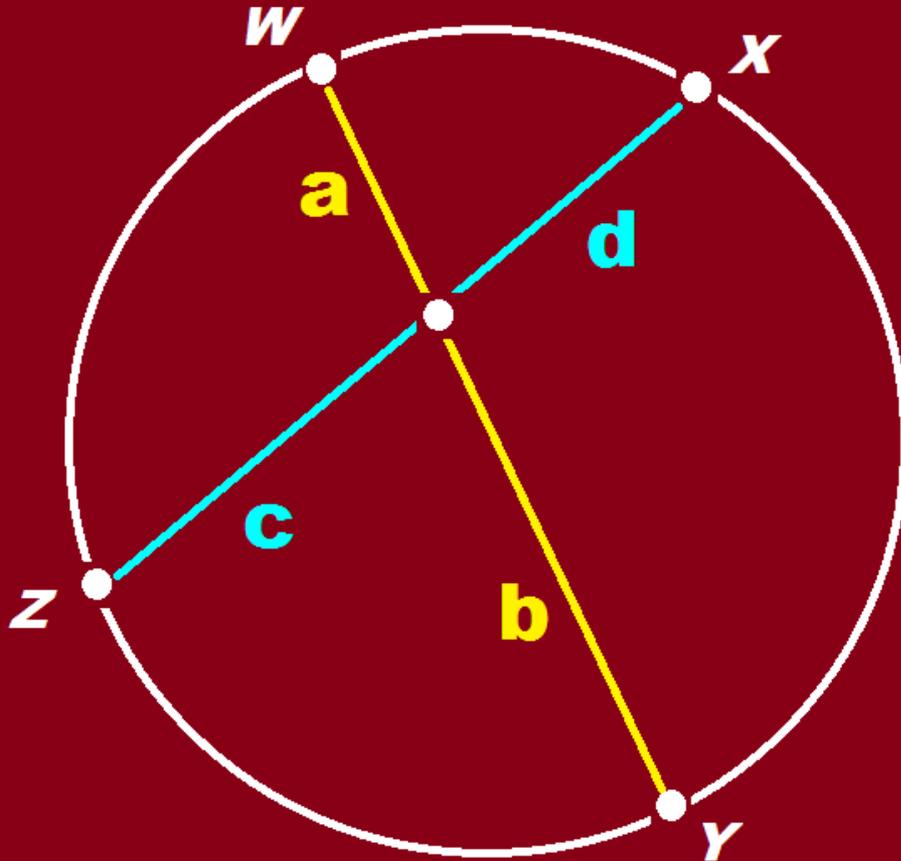
**Mr. Bower**

**BowerPower.net**

# TWO INTERSECTING CHORDS AND THEIR SEGMENTS



# TWO INTERSECTING CHORDS AND THEIR SEGMENTS

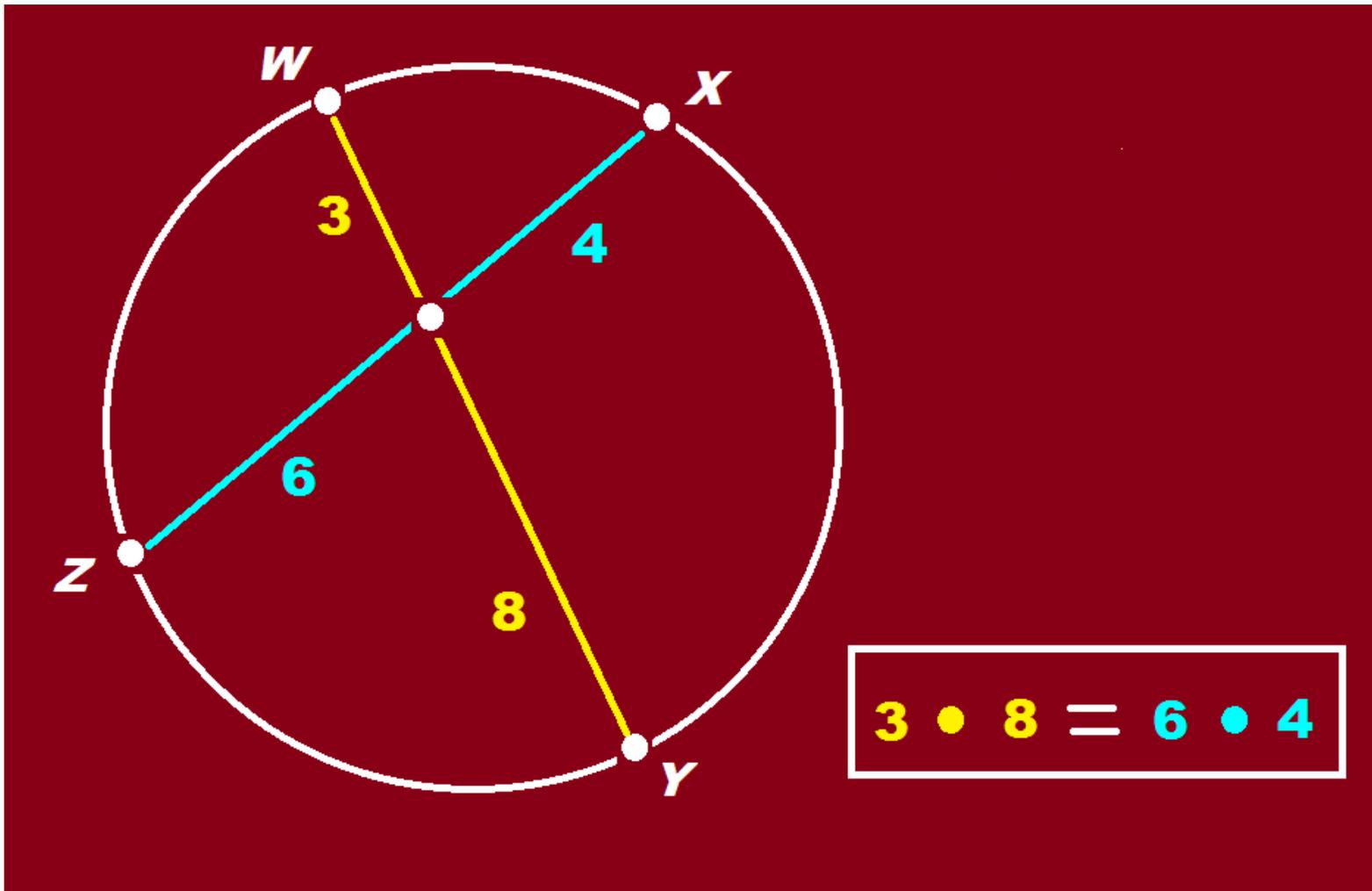


Put this  
equation  
into your  
own words

$$a \cdot b = c \cdot d$$



# TWO INTERSECTING CHORDS AND THEIR SEGMENTS - EXAMPLE



# TWO SECANT SEGMENTS FROM A POINT OUTSIDE THE CIRCLE

*Whole segment • Part outside circle*

**EQUALS**

*Whole segment • Part outside circle*

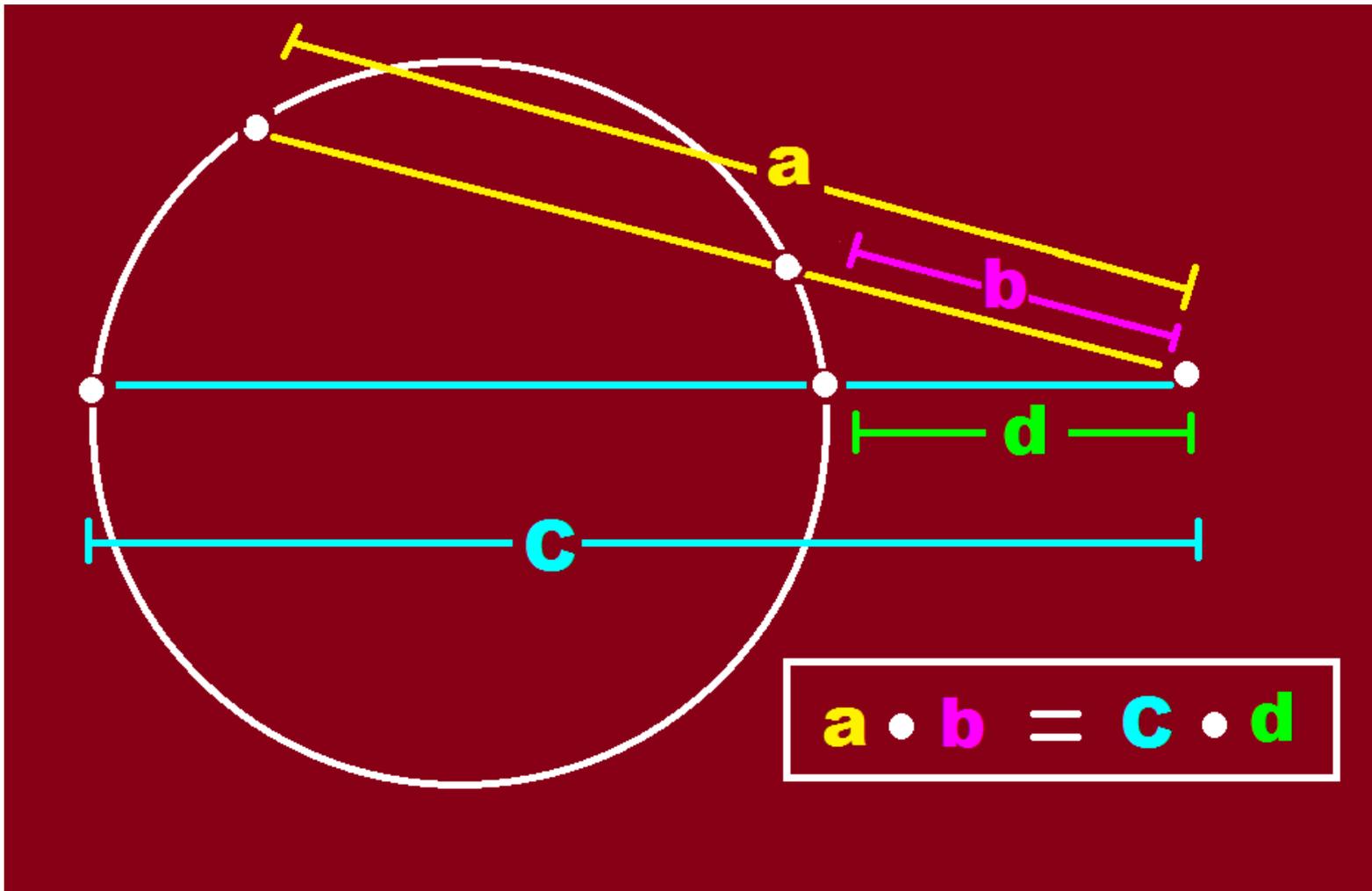
In the next diagram

**a** is a whole segment; **b** is the part outside the circle  
and

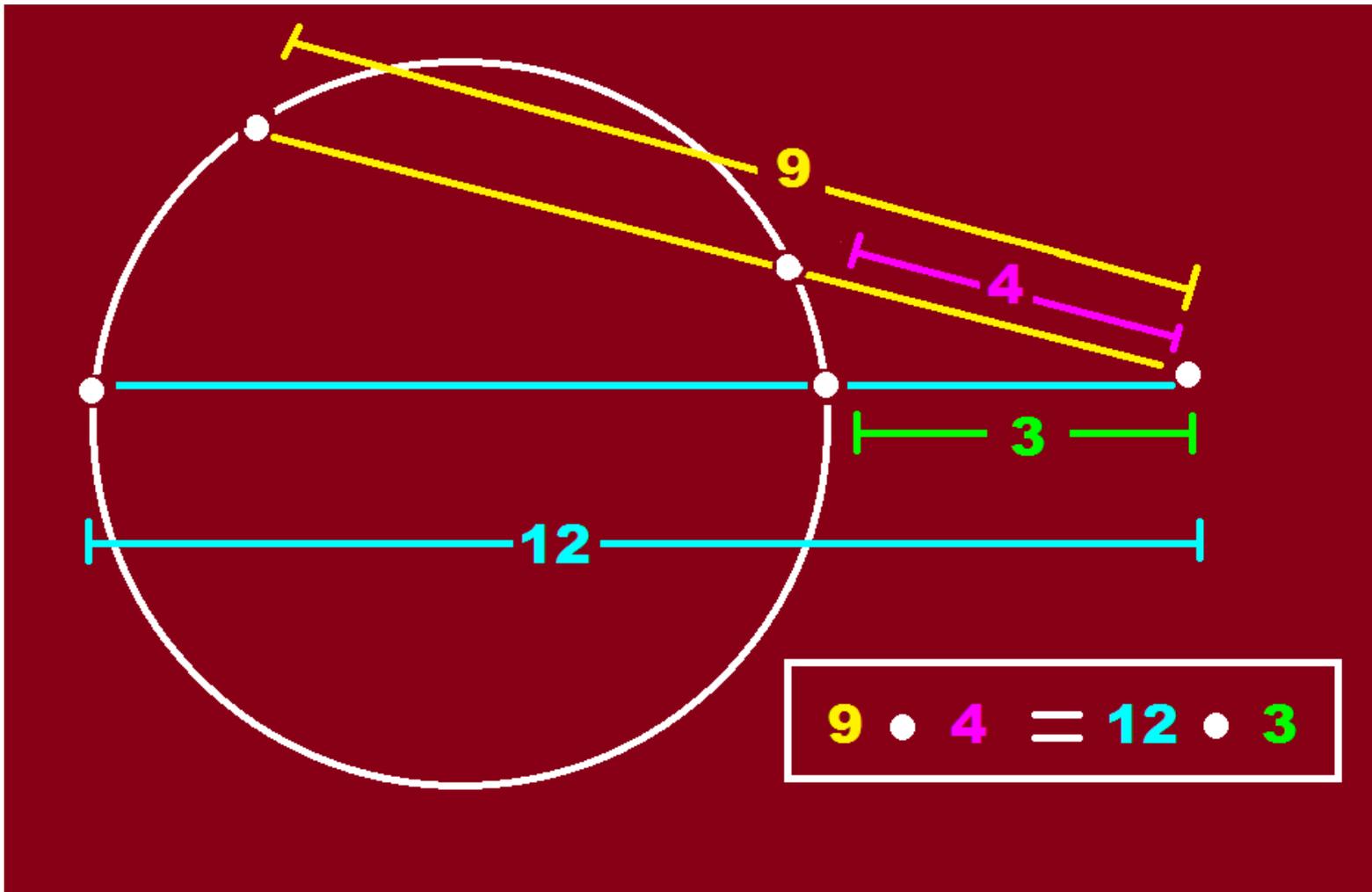
**c** is a whole segment; **d** is the part outside the circle



# TWO SECANT SEGMENTS FROM A POINT OUTSIDE THE CIRCLE



# TWO SECANT SEGMENTS FROM A POINT OUTSIDE THE CIRCLE - EXAMPLE



# SECANT SEGMENT AND TANGENT SEGMENT FROM A POINT OUTSIDE THE CIRCLE

*Whole segment • Part outside circle*

**EQUALS**

*Whole segment • Part outside circle*

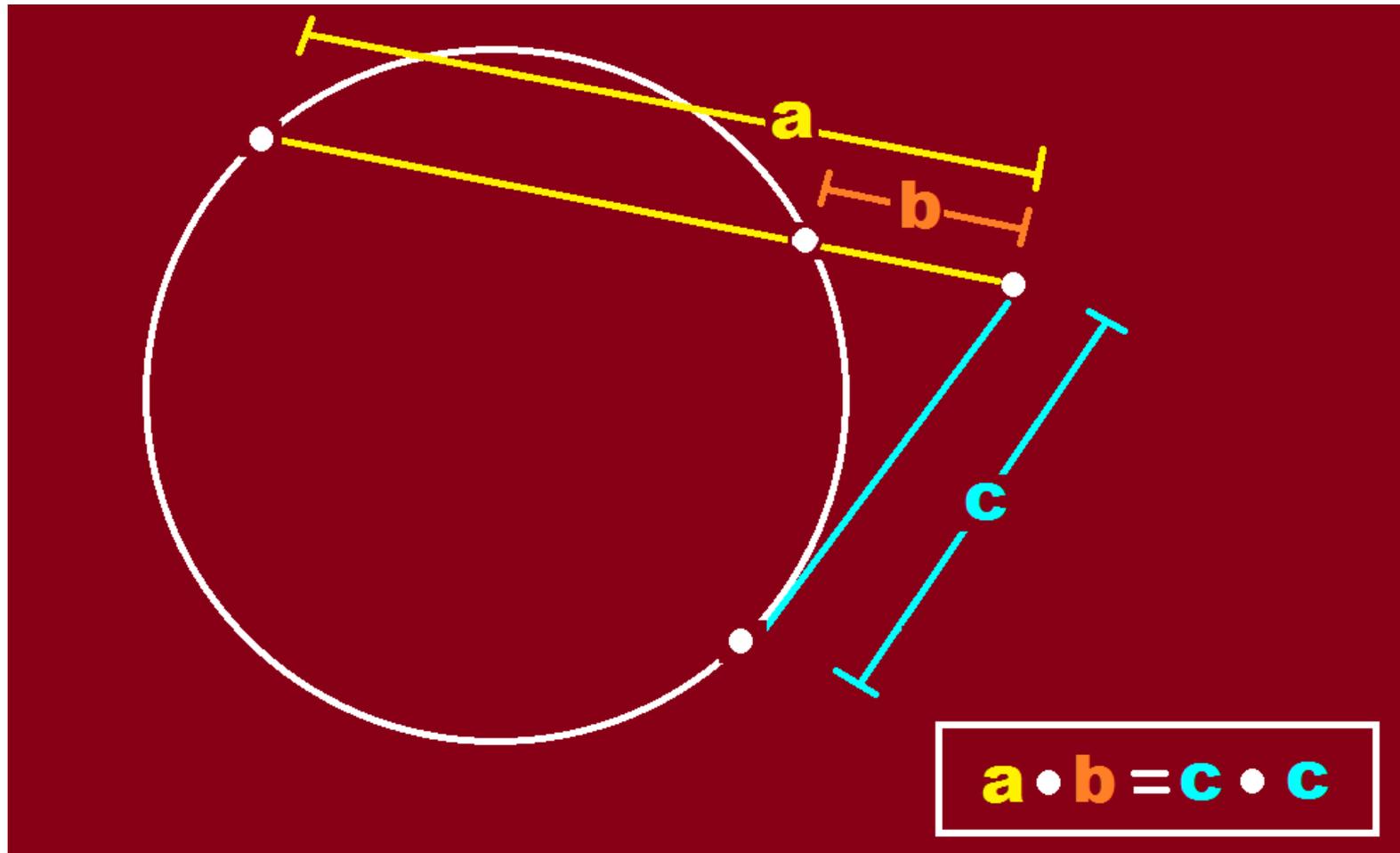
In the next diagram

**a** is a whole segment; **b** is the part outside the circle  
and

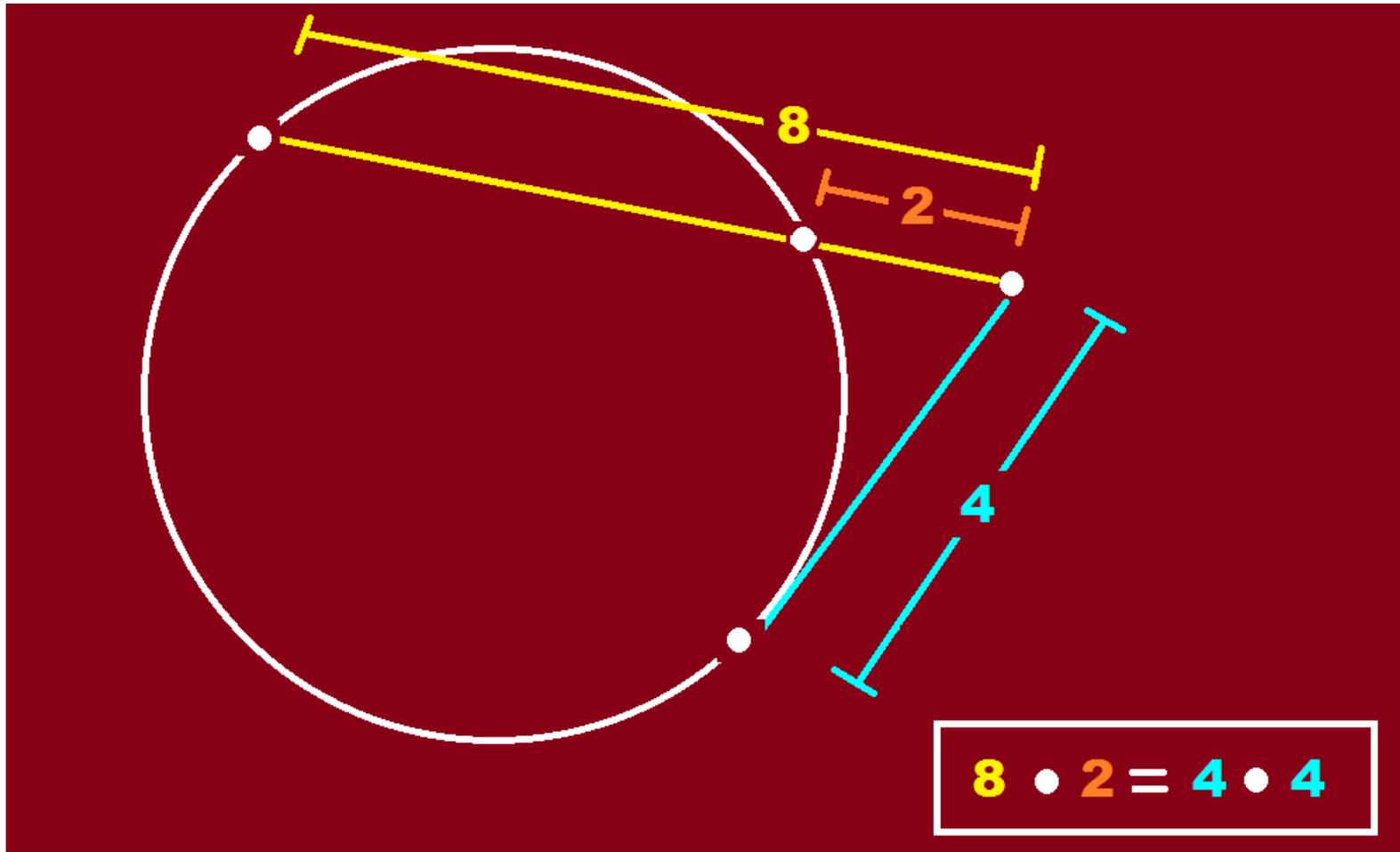
**c** is a whole segment and **c** is the part outside the  
circle (a tangent segment is both!)



# SECANT SEGMENT AND TANGENT SEGMENT FROM A POINT OUTSIDE THE CIRCLE



# SECANT SEGMENT AND TANGENT SEGMENT FROM A POINT OUTSIDE THE CIRCLE - EXAMPLE



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