

3055 BA SANGAM COLLEGE

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WORKSHEET 18

YEAR: 10

SCHOOL: BA SANGAM COLLEGE SUBJECT: MATHEMATICS

MATHEMATICS	NAMEOF STUDENT:
STRAND	4- GEOMETRY
SUB-STRAND	4.5 Intersecting Chord Theorem
LEARNING OUTCOME	• Identify different types and properties of intersecting chords.
	Prove properties of intersecting chords

Two Chords Intersect in a Circle

If two chords intersect inside a circle then the product of the lengths of the segments of one chord equals the product of the lengths of the segments of the other chord





EXERCISE

The figure given below shows two chords intersecting inside a circle at \mathbf{X} .



(a) Complete the relationship below.

PX x _____ = ____ x____

(b) If $\overline{PX} = 2 \text{ cm}$ and $\overline{QX} = 8 \text{ cm}$, find the length of \overline{RX} .

(3MARKS)

2. For the following, find the value of X



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