## PROPERTIES OF QUADRILATERALS

A QUADRILATERAL CLASSIFICATION	B PROPERTIES
A.1 CONSTRUCTING QUADRILATERALS WITH A RULER AND SET SQUARE	B.1 CLASSIFYING QUADRILATERALS
<b>Ex 1:</b> Construct a square $ABCD$ with side length $AB = 3$ cm using a ruler and a set square on paper.	MCQ 4: Classify the quadrilateral. D $C$ $A$ $B$
	Choose all answers that apply: <ul> <li>Parallelogram</li> <li>Rhombus</li> </ul>
<b>Ex 2:</b> Construct a rectangle <i>ABCD</i> with side lengths $AB = 4$ cm and $AD = 3$ cm using a ruler and a set square on paper.	□ Rectangle □ Square
	MCQ 5: A square has four right angles.      True      False
	MCQ 6: The opposite sides of a rhombus are parallel.  True False
Ex 3: Construct a square $ABCD$ with diagonal length $AC = 3$ cm using a ruler and a set square on paper.	MCQ 7: The adjacent sides of a rectangle are parallel.  True False
	<ul> <li>MCQ 8: A square is a special type of rectangle.</li> <li>True</li> <li>False</li> </ul>
	<ul> <li>MCQ 9: A rectangle is a special type of square.</li> <li>True</li> <li>False</li> </ul>
	MCQ 10: A rectangle is a special type of parallelogram.      True      False

## C ANGLES

## C.1 FINDING AN UNKNOWN ANGLE

Ex 11: Find the unknown angle in the quadrilateral below:



Ex 12: Find the unknown angle in the quadrilateral below:



Ex 13: Find the unknown angle in the quadrilateral below:



Ex 14: Find the unknown angle in the quadrilateral below:



## C.2 FINDING AN UNKNOWN ANGLE

Ex 15: Find the unknown angles in the quadrilateral below:



Ex 16: Find the unknown angles in the quadrilateral below:



**Ex 17:** ABCD is a rectangle. Find the unknown angles in the triangle below:



**Ex 18:** *ABCD* is a parallelogram. Find the unknown angle in the quadrilateral below:

