TOPIC : GEOMETRIC OF 2D SHAPES (CALCULATIONS OF SIDES , ANGLES AND DIAGONALS IN A QUADRILATERAL)					
LESSON 5					
Term	3	Week	9	Grade	9
Duration	1 Hour				
CONCEPTS AND SKILLSAll angles in a quadrilateral equals to 360					
RELATED CONCEPTS/ TERMS/VOCABULARY					
Paralellogram; Rhombus; Kite; Interior Angles Of Quad; Square; Rectangle					
PRIOR-KNOWLEDGE/ BACKGROUND KNOWLEDGE					
Properties of the above quadrilateral					
RESOURCES					
Mind Action Series Grade 9; Answer Series Grade 9; Siyavula Workbook Grade 9					
ERRORS/MISCONCEPTIONS/PROBLEM AREAS					
 Not applying the properties of quadrilaterals to solve for missing angles Not knowing the rules of equations to solve for unknown angles 					
METHODOLOGY					
TEST PROPERTIES OF QUADRILATERAL PROPERTIESRECAPRECAP RULES FOR EQUATIONSRECAP					
square rectangle parallelogram All sides equal Opposite sides equal Opposite sides equal All angles 30° All angles 90° and parallel					
ACTIVITIES/ASSESSMENTS					
ACTIVITY ONE :					



Find the length of all the **unknown sides** and **angles** in the i Give reasons to justify your statements. (Also recall that the sur quadrilateral is 360°.)

