## WCED EXTERNAL EXAMINATION

Memorandum Mathematics Paper 2 20 November 2019 Examiner: P. Swanepoel, et al



Grade: 7 Time: 2 hours Total: 80 Moderator: R. Alves

	SECTION A - Question 1							
1.1)	.1) Identify the two quadrilaterals.							
	i) Rectangle ii) Parallelogram Both correct =√ (no half marks)	(1)						
1.2)	2) Give one <u>similarity</u> between the two quadrilaterals.							
	Both quads or both have opposite sides equal 🗸							
1.3)	Give one difference between the two quadrilaterals.							
Rectangle has two lines of symmetry $\checkmark$ . Parallelogram has none $\checkmark$								
Question 2								
2)	Study the triangles and answer the questions that follow:							
	i $a$ ii $b$ $C$ $m$ $12c$ $m$ $12c$ $m$ $C$ $65^{\circ}$							
2.1)	Identify the following triangles and give a reason for your answer:							
	i: Equilateral ✓ Reason: All Sides are the same length√							
	Right angled√ Reason: One right angle√							
	iii: Isosceles√ Reason: Two sides/angles are equal√ (3 ×							
2.2)	Calculate the size of angle a-d:							
	a= 60°√ c= 65°√							
	$b=48^{\circ}$ $d=150^{\circ}$ (4 :	× 1 = 4)						
2.3)	Calculate the missing angles in the following diagrams:							
	100° c  a) <mark>55°√</mark>							
	b) 90°√							
	(2) b $35^{\circ}$ (c) $60^{\circ}$							
	$(3 \not ( 1 \not a ) \rightarrow (80^{\circ} / 0^{\circ})$							

2.4) Measure the following angles using a protractor and identify what KIND of angle each are



 $(3 \times 2 = 6)$ 

(1)

3.1)	Question 3 Complete the table below: (8)						
	3-D Object	Name	Number of edges	Number of faces	Number of vertices		
	B	Pentagonal Prism	15	7	10		
		Octagonal Pyramid	16	9	9		

3.2) Which transformation took place in each of the following diagrams?



3.3 Draw the reflection of shape on the diagram below.









