Name	<u>.</u>											
Select	ed Resp	oonse:	Ques	tions 1 -	- 5							[8 marks]
1.	Which power is the greatest?											
	А.	2 ⁷	B.	7^{2}	C.	35	D.	5 ³				
2.	Identify the power that represents(4)(4)(4)(4)(4).											
	А.	4 ⁵	В.	5 ⁴	C.	(4)(5	5)	D.	256			
3.	Identify the selection that is equivalent to 6 ³ ?											
	А.	(3)(3	3)(3)(3	3)(3)(3))	В.	216		C.	(6)(3)	D.	6+6+6
4.	Evalı	iate –2	6.									
	А.	12	В.	-64	C.	64	D.	-12				
5.	In the expression $(-3)^7$, what is $(-3)^7$ called?											
	А.	Expo	onent	В.	Base	C.	Powe	er	D.	Product		
6.	Evaluate $3^2 - (4)^1 (24)^0$.								[2 marks]			
7.	Writ	e 10 ¹¹ in	ı standa	rd form.								[2 marks]
8.	Solve	$(2^2 \cdot 3)$	² – 4 ²)	² .								[2 marks]
				<u>SH</u>	OW W	ORKIN	NGS FC	OR FUI	LL MA	<u>RKS</u>		

Evaluate these expressions.

9. $(5)(3) - 7[(-3) - 2]^3$ [3]	marks]
---------------------------------	--------

10. $(6)(3)^2 - (2^0 + 3^3) \div 7$	[3 marks]
-------------------------------------	-----------

11.
$$\left[\left(5 - 3 \right)^2 \times 3 \right]^2 - 8 \div 2$$
 [3 marks]

12. A population of giraffes in Africa is near extinction and only 8 giraffes survive. The wildlife fund has developed a great program and they expect the population of giraffes to triple each year.

How many giraffes will be present in 4 years time? [2 marks] Complete the table.

Year	0	1	2	3	4		
Number of giraffes	8						
[1 marks]							

13. A student performed this calculation on a test and did not receive full marks. Identify, and explain the mistake and rework the question so that it is correct. [3 marks]

$$-(24 - 3 \times 4^{6})^{0} \div (-4)^{2}$$

 $(-1) \div (-16)$
 $\frac{1}{16}$

_

. .

14. Solve the equation:
$$\frac{4(5^2) \div [2(4-(-1))^2]}{-3+2}$$
 [3 marks]