COMMON MISTAKES IN EACH CONCEPT IN TOPIC 2

CONCEPT #	COMMON MISTAKES (That will cost you marks)	MY MISTAKES
5. Classify numbers – sort a set	•Not knowing the difference between each different type of	
of numbers into rational and	number set	
irrational numbers and describe	 Missing one or more subsets per question 	
which subsets of Real numbers it	 Not fully explaining when asked in the instructions 	
belongs to: natural, whole,		
integers, rational, irrational (NC)		
6. Order a set of real numbers	 Not evaluating or estimating the roots properly 	
(rational & irrational) on a		
number line (NC)		
7. Write a radical as a mixed	 Not understanding what the instructions are asking for 	
radical in simplest form and	 Not fully simplifying the radical 	
mixed radical as an entire radical	 Forgetting the index in the answer 	
(NC)		
8. Express powers with rational	 Not understanding what the instructions are asking for 	
exponents as radicals and vice	•Forgetting brackets in answer when the base is negative or a	
versa (NC)	fraction	
	 Not reducing fractions 	
9. Evaluate powers with	 Not properly using negative exponents 	
negative integer exponents,	 Not fully simplifying and reducing the final answer 	
negative rational exponents, an	•Confusing a negative coefficient with a negative power	
exponent of zero (NC)		
10. Simplify expressions by	•Forgetting that the exponents also applies to the coefficient	
applying the exponent laws (•that the coefficient must be fully evaluated in the final	
including expressions with	answer	
rational and variable bases) (NC)	•Forgetting to reduce fractional exponents for variables (and	
	that variables are left with fractional exponents rather than in	
	radical form)	
	 Forgetting how to add and subtract fractions 	