



Reflection Sheet

Name:

Percentage in the test:

	I know this. 	I need to revise this. 	Question in the test	Correct in the test?
I know how to change between ordinary numbers and numbers written in index form .			1	
I know how to use the multiplication rule $n^a \times n^b = n^{a+b}$.			2	
I know how to use the division rule $n^a \div n^b = n^{a-b}$.			2	
I know how to use the zeroth index rule $n^0 = 1$.			2	
I know how to use the rule where a power is raised to another index , $(n^a)^b = n^{a \times b}$.			2	
I know how to use the negative index rule $n^{-a} = \frac{1}{n^a}$.			2	
I know how to use the unitary fraction index rule $n^{\frac{1}{a}} = \sqrt[a]{n}$.			2	
I can simplify algebraic expressions using the rules of indices.			3	
I know how to use the general fraction index rule $(\sqrt[b]{n})^a = n^{\frac{a}{b}} = \sqrt[b]{n^a}$.			2	
I can combine the rules of indices.			2	
I can differentiate between rational numbers and irrational numbers .			6, 9	
I can collect like surd terms , e.g. $3\sqrt{2} + 7\sqrt{2}$.			7	
I can simplify surds , e.g. $\sqrt{32}$, $\frac{\sqrt{8} \times \sqrt{2}}{2}$.			7, 9	
I can expand using surds , e.g. $4\sqrt{7}(\sqrt{7} + 3)$, $(4 + \sqrt{5})(\sqrt{5} - 2)$.			8	
I can write numbers in standard form .			4	
I can add and subtract numbers written in standard form.			5	
I can multiply and divide numbers written in standard form.			5	
I can solve problems using standard form.				
I can plot quadratic graphs .			10	
I know how to recognise and sketch quadratic graphs .			11	
I know how to use a graphical method to solve quadratic equations.			10	
I know how to recognise and sketch other graphs, e.g. reciprocal graphs ; cubic graphs .			11	