



Alba Mathematics  
Course Revision Task Sheet 9  
Hint Sheet



Note on your evaluation sheet if you used one of these hints

Question	Topic	Hint
1a.	Graphs of Quadratic Functions	Solve $h(t) = 0$
1b.	Calculate Max turning point	Use mid-point of roots
2	Volume of Hemisphere/Sig Fig.	Use $V = \frac{2}{3} \pi r^3$ and remember to round
3	Pythagoras / Simplifying surds	Use Pythagoras with triangle ABD
4	Algebraic Fractions	Denominator is $2pq$
5	Factorising	2 step factorising needed
6	Expanding Brackets	Multiply 2 <sup>nd</sup> bracket by $x$ first, then by $-4$
7	Solving Quadratic Equations	$(2x \quad)(x \quad) = 0$ then solve
8	Changing the Subject	Cross multiply then isolate $g$
9	Indices and Brackets	Multiply the coefficients, add the indices
10	Comp. the Square Interpreting	Rearrange into $(x + a)^2 + b$ ; interpret