



Alba Mathematics  
Course Revision Task 4  
Hint Sheet



Note on your evaluation sheet if you used one of these hints		
Question	Topic	Hint
1	Trig Functions	Use $\frac{\sin x}{\cos x} = \tan x$
2	Vector Addition	Multiply all components
3	Straight line equation	Use $y - b = m(x - a)$
4	Evaluating Indices	Power is 5 ; root is 6
5	Expanding Brackets	Evaluate $(x - 4)^2$ first
6	Solving Equations	Two equal fractions ; cross multiply
7	Similarity (Volume)	Volume factor = (scale factor) <sup>3</sup>
8	Completing the Square	Half the 6
9	Simplifying Surds	Express all surds in the form $\sqrt{2}$
10	Trigonometric Functions	Note the max / min values.