



Alba Mathematics
Course Revision Task 4
Hint Sheet



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

Question	Topic	Unit			Hint
		APP	E&F	R&C	
1	Discriminant			✓	Value ≥ 0
2	Differentiation			✓	$\frac{dy}{dx} > 0$
3	Differentiation			✓	Solve for $f'(x) = 0 \dots\dots$
4	Polynomials			✓	Use Factor Theorem and solve..
5	Straight Line	✓			Use $m = \tan\theta$
6	Trig Equation		✓		Expand $\sin 2x$
7	Vectors	✓			Scalar Product, $AB = \mathbf{a} $
8a	Discriminant			✓	Check condition for equal roots
8b	Discriminant			✓	Identify values and solve
9a	Trig Identities			✓	Use addition formula expansions
9b	Wave function			✓	Calculate k and use "CAST" for angle
10	Straight Line	✓			Find m and mid-point of AB