



Alba Mathematics
Course Revision Task 6
Hint Sheet



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

Question	Topic	Unit			Hint
		APP	E&F	R&C	
1a	Quadratic Theory			✓	Rearrange equation
1b	Discriminant			✓	Solve using appropriate condition
2	Equation of Tangent (curve)			✓	Use $m = f'(x)$
3a	Differentiation			✓	Sub $x = 1$
3b	Polynomials			✓	Check for solutions using rem. theorem
4a	Polynomials			✓	Remainder theorem
4b	Establish and use quotient			✓	Solve $Q(x) = 0$
5	Circle	✓			Use general centre and radius formulae
6	Inverse Functions		✓		Set $g(x) = y$ and rearrange
7	Circle	✓			Calculate both radii
8	Exponential Logs		✓		$\log_3 a = 3$
9	Vectors		✓		Calculate $ a $
10	Integration			✓	Basic Integration then [upper] – [lower]