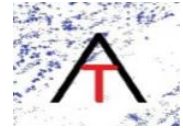




Alba Mathematics
Course Revision Task 9
Hint Sheet



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

Question	Topic	Unit			Hint
		APP	E&F	R&C	
1	Differentiation			✓	Use $\frac{5}{2}v^{-1}$ for differentiation
2	Trig Identities			✓	Factorise- difference of 2 squares
3	Vectors		✓		Scalar Product in Cos θ form
4	Log diagrams		✓		Use $\text{Log}_3(1) = 0$ and $\text{Log}_3(3) = 1$
5	Inverse Functions		✓		Find composite function
6	Straight Line	✓			$m = \text{Tan } \theta$, then $y - b = m(x - a)$
7	Rate of change			✓	Differentiate (Chain Rule)
8	Perpendicular vectors		✓		Use $\mathbf{a} \cdot \mathbf{b} = 0$
9	Increasing / Decreasing Fns			✓	Use $f'(x)$ inequality and solve from graph
10	Median Equation	✓			Find mid-point then gradient