

ERRATUM NOTICE

SYLLABUS 9709 A/AS LEVEL MATHEMATICS

2007

On page 8, the section entitled 'Integration' should read as follows:

5. Integration
- extend the idea of 'reverse differentiation' to include the integration of e^{ax+b} , $\frac{1}{ax+b}$, $\sin(ax+b)$, $\cos(ax+b)$ and $\sec^2(ax+b)$ (knowledge of the general method of integration by substitution is not required);
 - use trigonometrical relationships (such as double-angle formulae) to facilitate the integration of functions such as $\cos^2 x$;
 - use the trapezium rule to estimate the value of a definite integral, and use sketch graphs in simple cases to determine whether the trapezium rule gives an over-estimate or an under-estimate.