

# 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.