## Integration techniques

Integration by parts

$$\int u \, dv = uv - \int v \, du$$

 ${\it Note:}$  To determine the right u, one should follow the order of operations:

 $\begin{array}{ll} L\colon & \operatorname{Logarithms} \\ I\colon & \operatorname{Inverted\ trigonometry} \\ A\colon & \operatorname{Algebra} \\ T\colon & \operatorname{Trigonometry} \end{array}$ 

Exponential

E: