

2.2 Integration

At the end of this outcome I should...	I can do	Revised
2.2.1 know meaning of terms; integral, integrate, constant of integration, definite integral, limits of integration, indefinite integral, area under curve	<input type="checkbox"/>	<input type="checkbox"/>
2.2.2 know that if $f(x) = F'(x)$ then $\int_a^b f(x)dx = F(b) - F(a)$	<input type="checkbox"/>	<input type="checkbox"/>
2.2.3 know that if $f(x) = F'(x)$ then $\int f(x)dx = F(x) + C$	<input type="checkbox"/>	<input type="checkbox"/>
2.2.4 integrate $f(x) = px^n$ for all rational n , except $n = -1$, and sum or difference of such functions	<input type="checkbox"/>	<input type="checkbox"/>
2.2.5 evaluate definite integrals	<input type="checkbox"/>	<input type="checkbox"/>
2.2.6 determine area between curve $y = f(x)$, x -axis and lines $x = a$ and $x = b$	<input type="checkbox"/>	<input type="checkbox"/>
2.2.7 determine area bounded between two curves	<input type="checkbox"/>	<input type="checkbox"/>
2.2.8 solve equations of form $\frac{dy}{dx} = f(x)$ for suitable $f(x)$	<input type="checkbox"/>	<input type="checkbox"/>