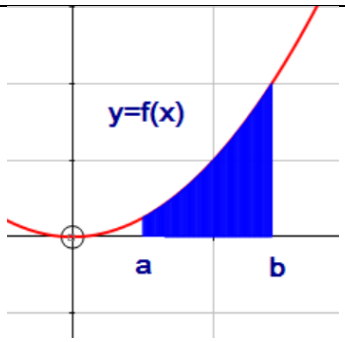
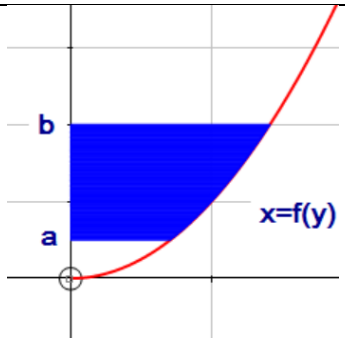
Area between Graphs



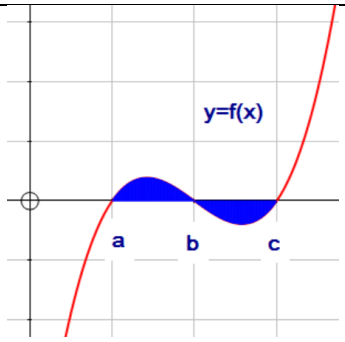
Area = $\int_a^b y\,dx$

Area = $\int_a^b f(x)\,dx$



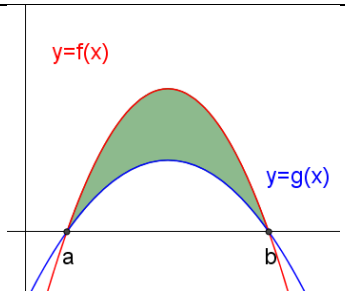
Area = $\int_a^b x\,dy$

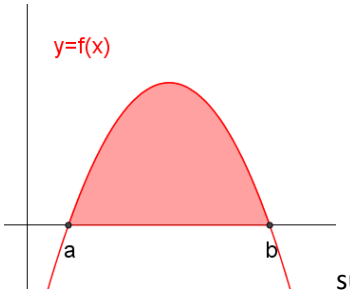
Area = $\int_a^b f(y)\,dy$



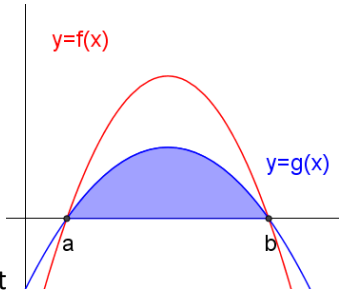
Area = $\left|\int_a^b y\,dx\right| + \left|\int_b^c y\,dx\right|$

Area = $\left|\int_a^b f(x)\,dx\right| + \left|\int_b^c f(x)\,dx\right|$





subtract



Area = $\int_a^b f(x)\,dx - \int_a^b g(x)\,dx$

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