Definite integral

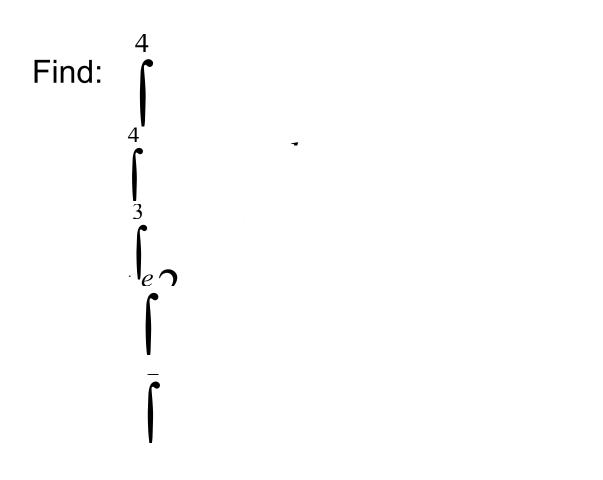
Newton s definite integral:



In the definition above, F is a primitive function to f, and a and b are the limits of the integral.

The result of definite integral is not a function, but a number!

Problems to solve - 1



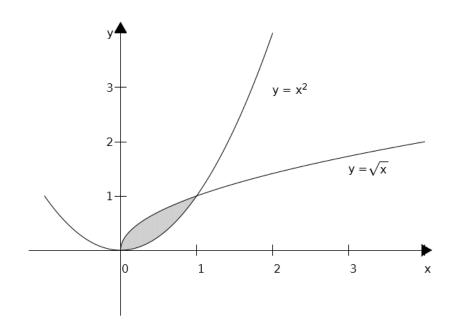
An area between two curves

Let f(x) and h(x) be two curves. So an area between them. And a and b their intersections.

Then S is given as follows

$$S = \int (h(x) - f(x)) dx$$

1) Find an are between two curves: $\mathcal{Y}_{=}$ and $\mathcal{Y}_{=}^{-}$.



2) Find an are between two curves: $\mathcal{Y}_{=}$ and $\mathcal{Y}_{=}$.

