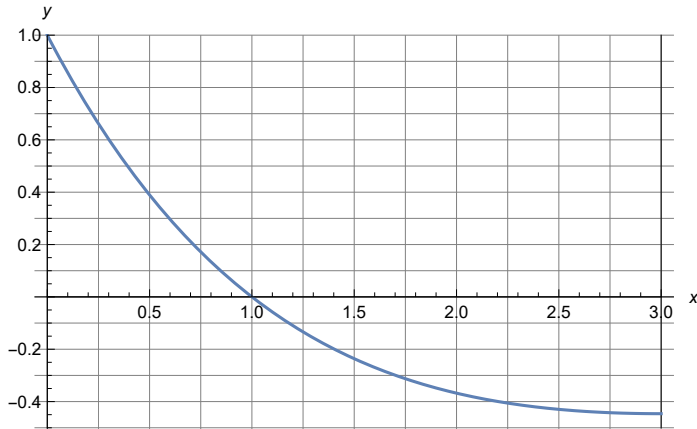


MAT 136 (Calculus I) Prof. Swift

In-class worksheet: The Definite Integral

The graph of a function f is shown. Approximate $\int_0^3 f(x) dx$ by estimating M_3 , the midpoint rule with 3 subdivisions. Before writing down any numbers, draw rectangles to represent the areas you add or subtract to compute M_3 . On the back of this sheet, estimating M_6 to approximate the same integral. Estimate the heights to 2 sig. figures.



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