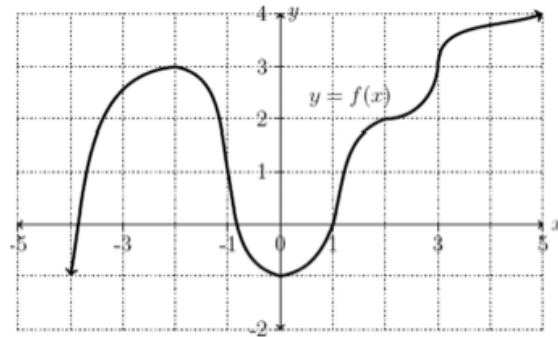1:08:50

2. Consider the graph of $y=f(x)$ given below.

(a) Divide the closed interval $[-2,3]$ into 5 equal subintervals and draw the corresponding rectangles using the right endpoints of each subinterval.

(b) Find the Riemann sum for $y=f(x)$ on the interval $[-2,3]$ for $n=5$, taking the sample points to be right endpoints.

(c) Express the integral

$$\int_{-2}^{3} f(x)\, dx$$

as a limit of Riemann sums. Do not evaluate the limit.