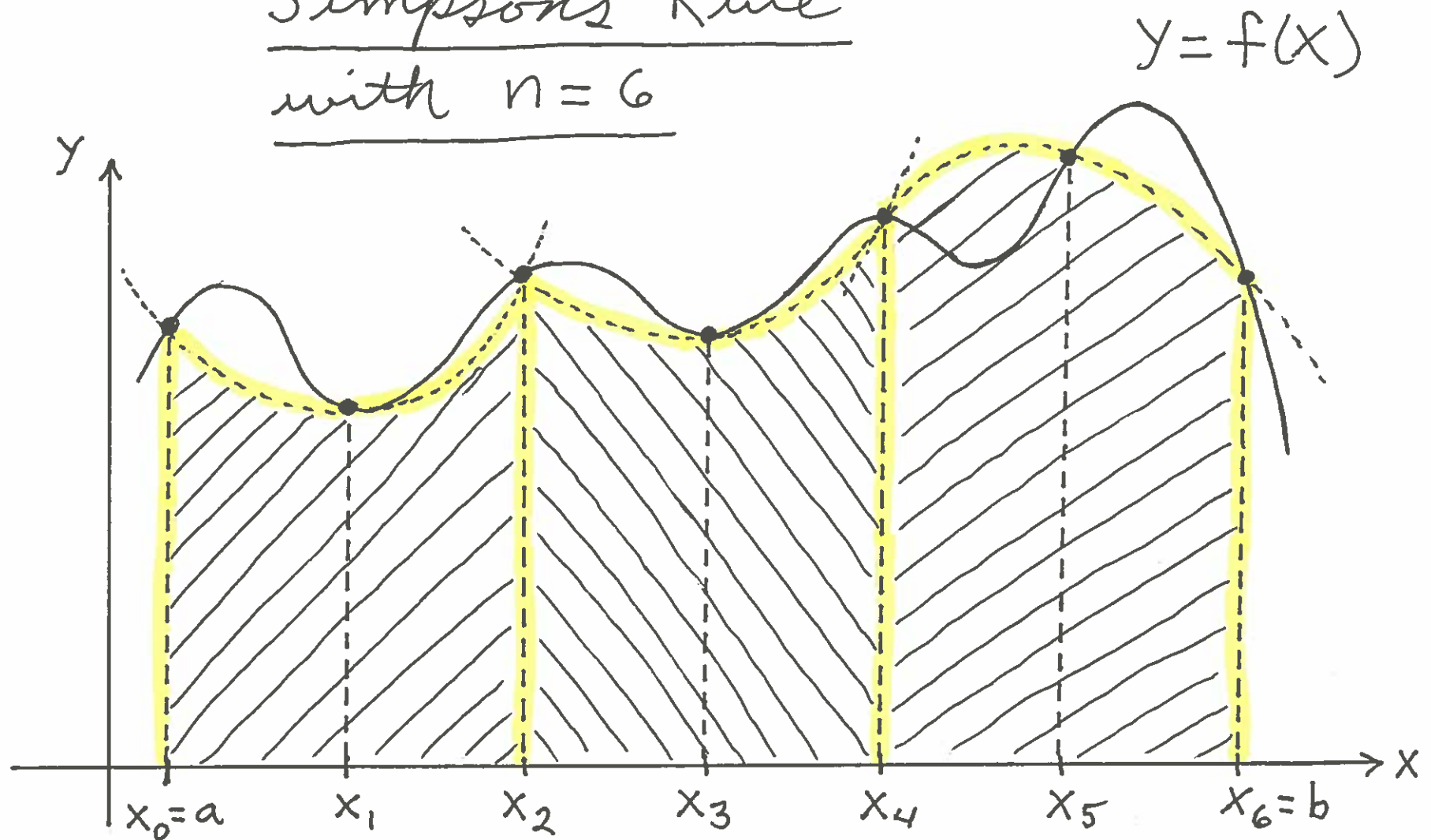


Simpson's Rule
with $n=6$



$$\int_a^b f(x) \approx S_6$$

$$= \frac{h}{3} [f(x_0) + 4f(x_1) + 2f(x_2) + 4f(x_3) + 2f(x_4) + 4f(x_5) + f(x_6)]$$