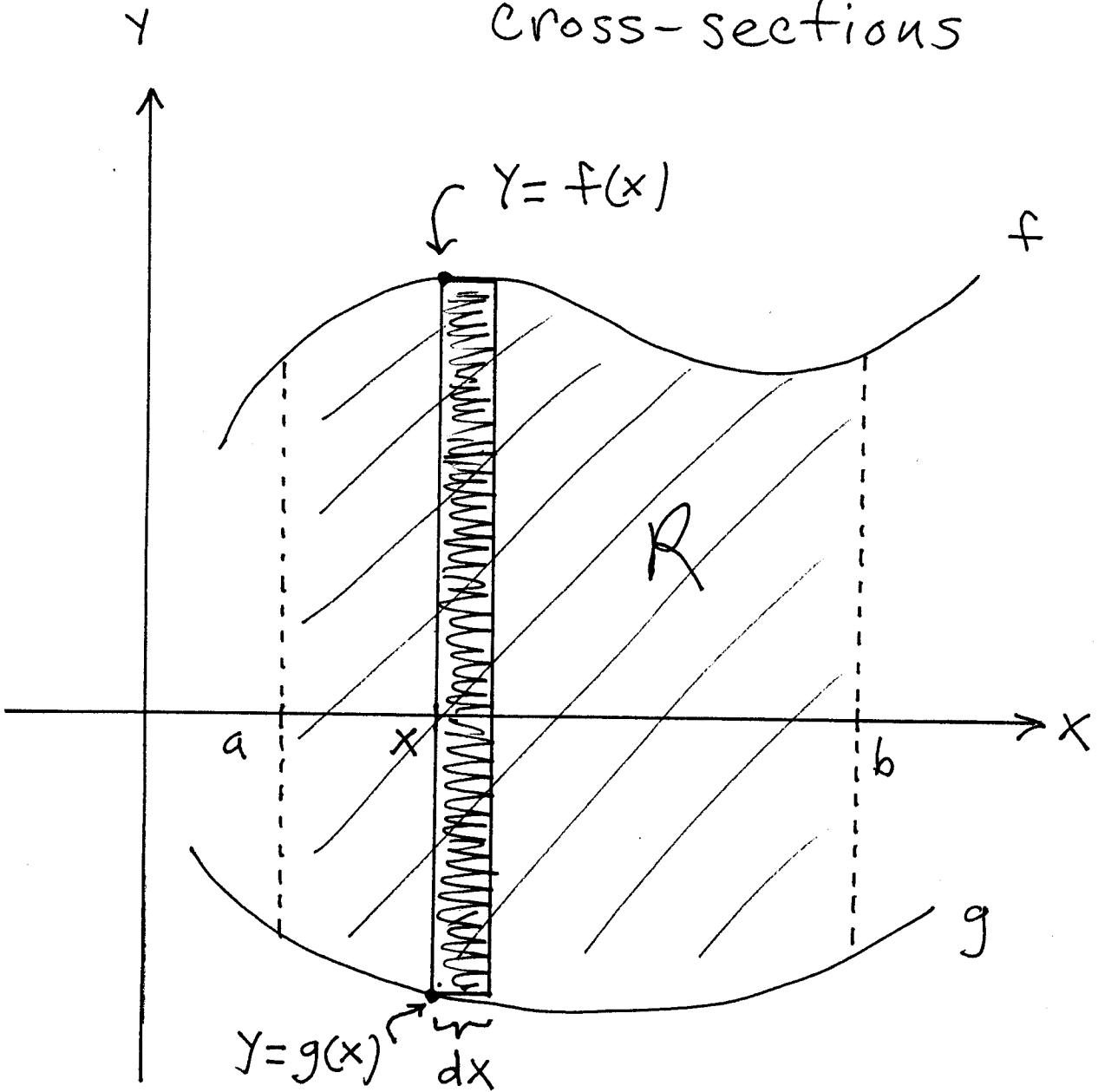


AREA — Vertical Cross-sections



area of thin \square is $(f(x) - g(x)) \cdot dx$,
so area of region R is

$$\text{AREA} = \int_a^b (f(x) - g(x)) dx$$

↑ TOP ↑ BOTTOM