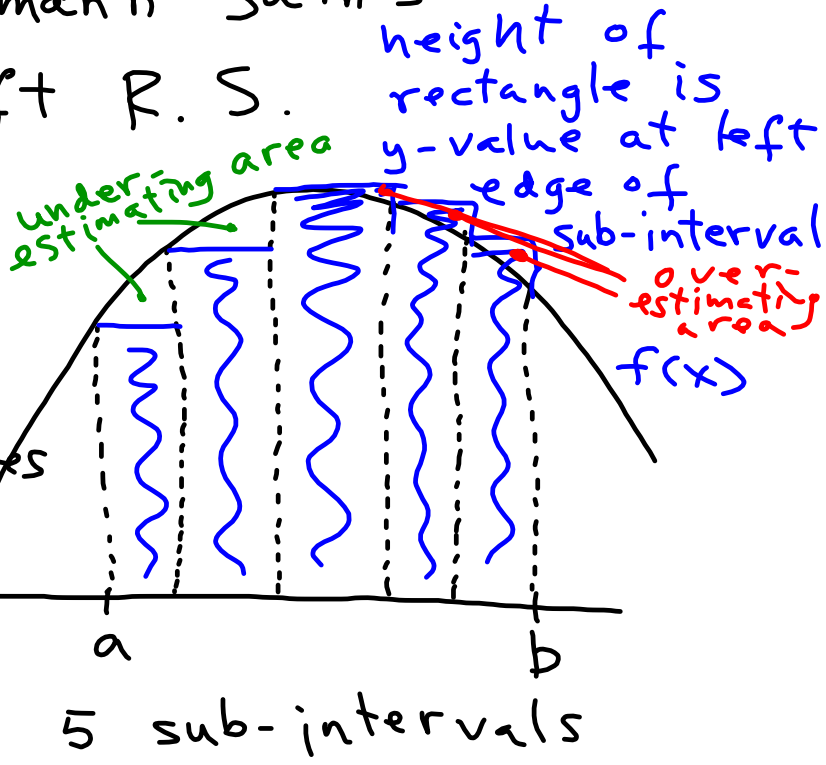


Riemann Sums

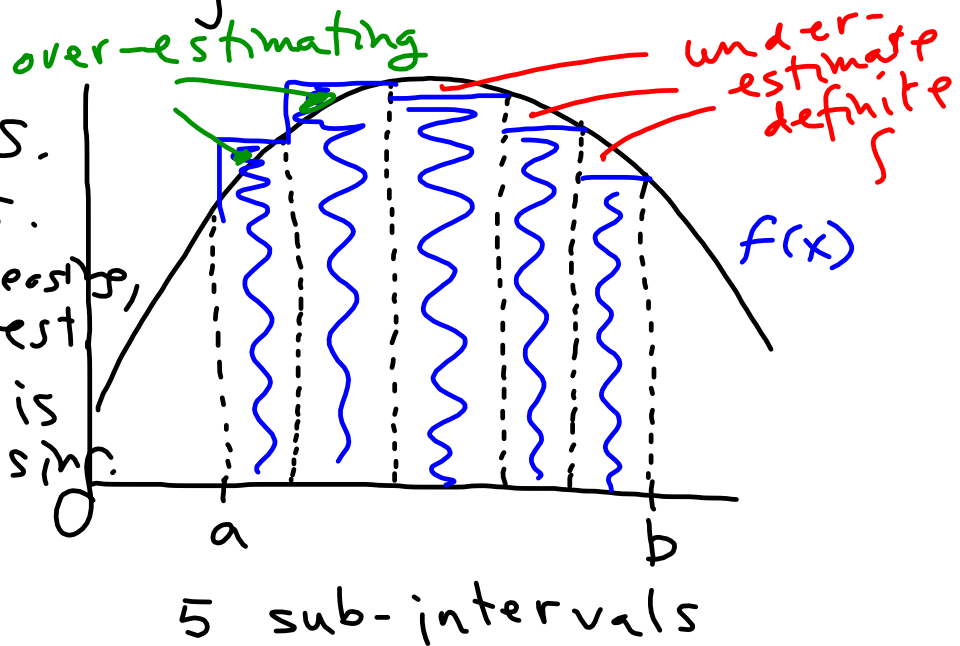
1. Left R.S.

Left R.S.
 underestimates
 definite \int of
 an increasing
 fcn, overestimates
 definite \int of
 a decreasing
 fcn.

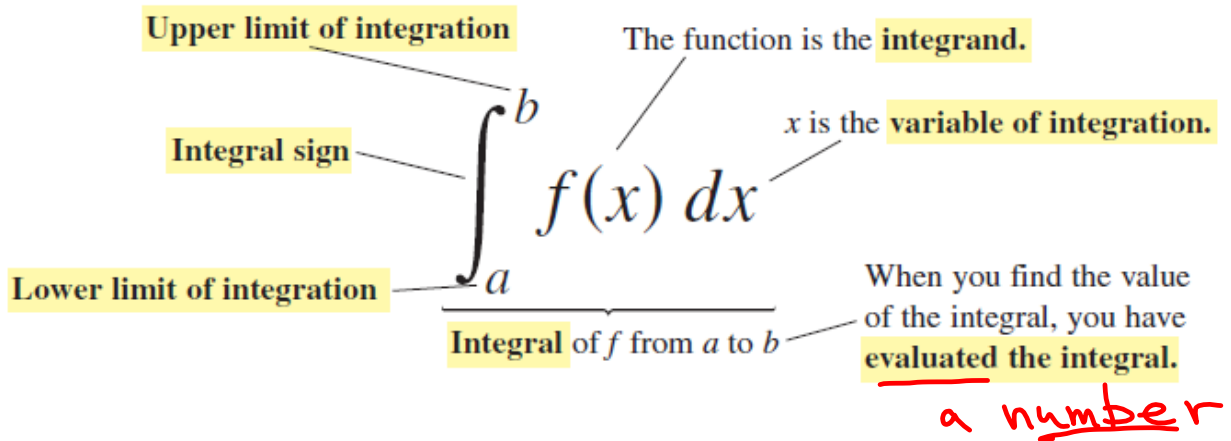
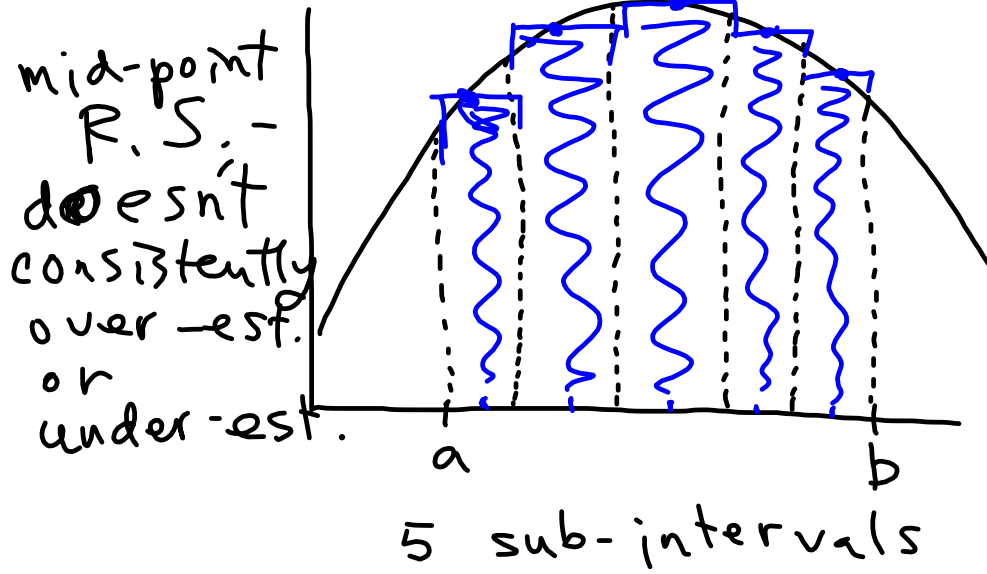


2. Right R.S.

Right R.S.
 over-est.
 if fcn increasing,
 under-est.
 if fcn is
 decreasing.



3. Midpoint R.S.



Definite Integral

has the limits on the ends of \int sign