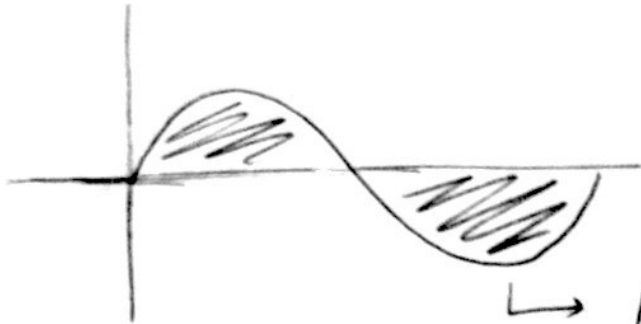


* NET AREA:
area under x-axis is negative



↳ Negative Area
∴ Net area = 0

* Integral Properties:

$$1) \int_a^a f(x) dx = 0$$

$$2) \int_b^a f(x) dx = - \int_a^b f(x) dx$$

$$3) \int_a^b f(x) dx + \int_b^c f(x) dx = \int_a^c f(x) dx$$

$$6) \int_a^b c dx = c(b-a)$$

$$4) \int_a^b k f(x) dx = k \int_a^b f(x) dx$$

$$5) \int_a^b [f(x) \pm g(x)] dx = \int_a^b f(x) dx \pm \int_a^b g(x) dx$$