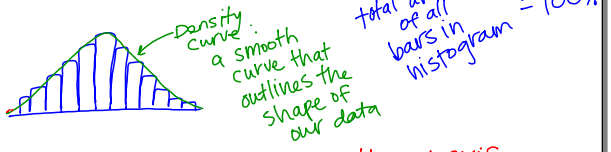
Stats Starter 12/1

2.1 (p. 105) #1, 13a, 23

2.1b Density Curves

an idealized description of the overall pattern of a distribution.



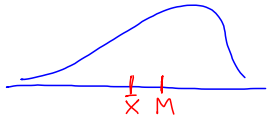
① always on or above the x-axis

② Area underneath the density curve is exactly 1.

other facts:

- Median cuts area exactly in half
- Mean is balancing point

(see p.102)



$\bar{x}$ = mean of a sample of data

s = standard deviation of a sample of data

→ used to estimate

μ = "mu" - the true mean

σ = "sigma" - the true st. dev.

} of density curves