- e.g. (p. 170 #9) The intake valve clearances on new engines of a certain type are normally distributed with mean 200 μ m and standard deviation 10 μ m.
- a. What is the probability that the clearance is greater than 215 μ m?
- b. What is the probability that the clearance is between 180 and 205 μ m?
- c. An engine has six intake valves. What is the probability that exactly two of them have clearances greater than 215 μm ?
- d. (Not in book) Find the clearance, x, such that 99% of clearances are less than x.