MA 110 WORKSHEET (8.2) "EXTRA WORKSHEET 2"

Name _____

1. A shipment of 50 hand-held digital planners, including four that are defective, is sent to a large electronics store.

   A.   If one planner is selected, what is the probability that it is defective?

   B.   If three planners are selected, what is the probability that all three are defective?

   C.   If three planners are selected, what is the probability that exactly two are defective?

   D.   If three planners are selected, what is the probability that exactly at least two (that is exactly two or all three) are defective?

   E.   If the original shipment of 50 hand-held digital planners, with 4 defective were representative of a larger batch of 2400 planners, how many planners would you expect to be defective in this larger batch of 2400?