

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?