

110 WORKSHEET (8.3)

Name _____

CLASS RANK	DEAN'S LIST	NOT ON DEAN'S LIST
FRESHMEN	100	300
SOPHOMORE	250	150
JUNIOR	350	50
SENIOR	300	100
TOTAL	1000	600

1. A student is selected at random from the group. What is the probability the student selected
 - A. Is on the Dean's list given that student is a freshman
 - B. Is a freshman given that the students is on the Dean's list
 - C. Is a freshman on the Dean's list
 - D. Is a freshman but not on the Dean's list
 - E. Is a freshman or on the Dean's list
 - F. Is a freshman or not on the Dean's list
 - G. Are the events student is a freshman and student is on the Dean's list independent? Show Work!!