

MA 110 WORKSHEET (8.2) "EXTRA WORKSHEET 4"

Name _____

Blood Type	Male M	Female F	TOTALS
O	80	370	450
A	150	250	400
B	50	50	100
AB	20	30	50
TOTALS	300	700	1,000

Use the table to find the probability that a person is selected at random from the group

- A. has blood type B? $P(B)$
- B. is female **and** has blood type B? $P(F \cap B)$
- C. the person is female **or** has blood type B? $P(F \cup B)$
- D. is female? $P(F)$
- E. is female **and** does not have blood type B? $P(F \cap B')$