

Stat 330

Homework 2

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1)

$$(a) \ P(B|A) + P(B|\bar{A}) = 1 \qquad \frac{P(B)P(A)}{P(B)} + \frac{P(B)P(\bar{A})}{P(B)} = 1$$

$$\frac{P(B)P(A) + P(B)P(\bar{A})}{P(B)} = 1 \qquad P(A) + P(\bar{A}) = 1 \checkmark$$