

MATH 3215: Quiz 2

January 26, 2012

We have three events A, B, C so that the following hold:

- $\Pr[A \cap C] = 0$
- $\Pr[B \cap C] = .1$
- $\Pr[A] = .5$
- $\Pr[B \cap A^c \cap C^c] = .1$
- $\Pr[B] = .4$
- $\Pr[C] = .3$

Questions:

1

What is $\Pr[B|A]$?

2

Is A independent from B ?