

QUIZ 2

A programming class is composed of 10 juniors, 30 seniors, and 10 graduate students. The final grades show that 5 of the juniors, 10 of the seniors, and 5 of the graduate students received an A for the course.

- (a) If a student is chosen at random from this class and is found to have earned an A, what is the probability that he or she is a senior? $P(S|A) = 10/20 = 0.5$
- (b) If a student is chosen at random from this class and is found to be senior, what is the probability that he or she has got A? $P(A|S) = 10/30 = 0.33$