ECO239 (1) Quiz 2 Nov. 8. 2017

ID:

Name:

Given the following facts, answer the following questions.

Out of the students studying in IIBF, 40% play sports (A), 30% smoke cigarette (B) and 10% do both (play sports and smoke).

1. Complete the probability table blow (fill (a) ~ (h)).

	A	A_complement	
B	(a)	(b)	(c)
B_complement	(d)	(e)	(f)
	(g)	(h)	

Q2. What is the probability that a randomly selected student smokes given that he/she does not play any sports?

Q3. Are A and B independent? Prove your point.